Fisheries and Oceans
Canadian Data Report of
Fisheries and Aquatic Sciences
No. 299

July 1982

CATALOGUE OF SALMON STREAMS AND SPAWNING ESCAPEMENTS OF STATISTICAL AREA 6 (SOUTH)

by

A.J. Leaney-East, C.I. Manzon, and D.E. Marshall

Fisheries and Oceans
Enhancement Services Branch
1090 West Pender St.
Vancouver, B.C. V6E 2P1

Minister of Supply and Services Canada 1982

Cat. No. Fs 97-13/299 ISSN 0706-6455

Correct citation for this publication:

Leaney-East, A.J., C.I. Manzon, and D.E. Marshall. 1982. Catalogue of salmon streams and spawning escapements of Statistical Area 6 South. Can. Data Rep. Fish. Aquat. Sci. 299. xvii plus 291 pp.

ABSTRACT

Leaney-East, A.J., C.I. Manzon, and D.E. Marshall. 1982. Catalogue of salmon streams and spawning escapements of Statistical Area 6 South. Can. Data Rep. Aqaut. Sci. 299: xvii plus 291 pp.

Catalogue containing each stream's location, spawning distribution, barriers and points of difficult ascent, escapement records and other general data pertaining to the stream. The catalogue also includes a topographical map of the stream's location and in some cases a sketch which further describes the surrounding area.

Keywords: British Columbia, statistical area 6 South, salmon streams, spawning escapements, Butedale

RESUME

Leaney-East, A.J., C.I. Manzon, and D.E. Marshall. 1982. Catalogue of salmon streams and spawning escapements of Statistical Area 6 South. Can. Data Rep. Aquat. Sci. 299: xvii plus 291 pp.

Le présent catalogue contient des données sur l'emplacement de chaque rivière, sur la distribution des lieux de fraie, sur les obstacles et les endroits où la montée est difficile, sur la remonte aux frayères ainsi que d'autres données d'ordre général ayant trait à la rivière. Le catalogue comprend également une carte topographique indiquant l'emplacement de la rivière et, dans certains cas, uncroquis décrit la région environnante.

Mot-clés: Columbie-Britannique, zone statistique 6 sud, rivières à saumon, saumons de remonte, Butedale

CONTENTS

Abstract/Résumé iii
Table of Contents v
Statistical Areas vii
Map References viii
Conservation Districts ix
Management Divisions x
Federal Fisheries District Addresses xi
Federal Fisheries Districts xii
Standards Used on Stream Data Page xiii
Escapement Record for Statistical Area 6 South xv
Salmon Spawning Streams of Statistical Area 6 South and Index xvi

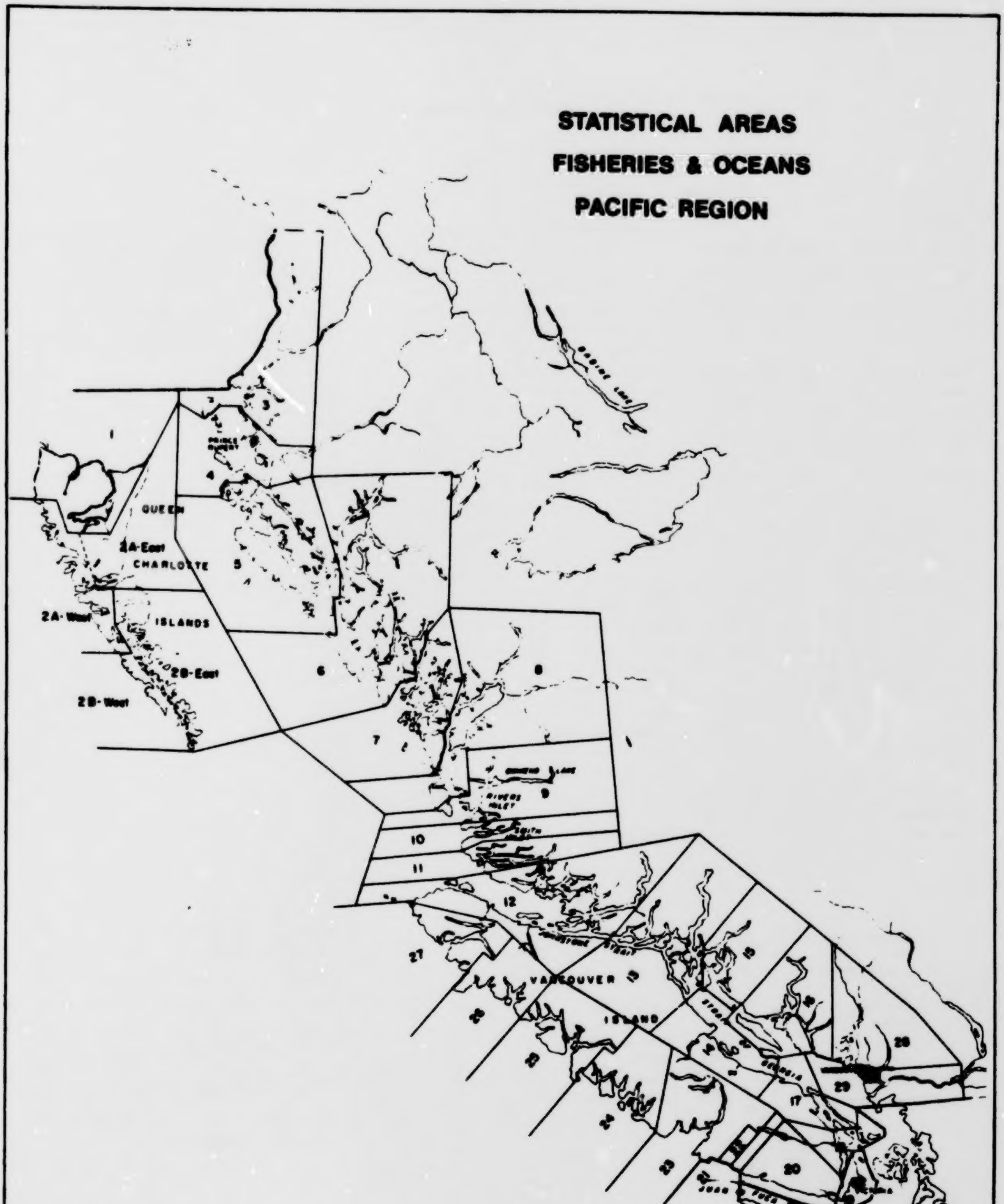
STREAM DATA

Aaltanhash River 1
Angler Cove Creek or Angler's Cove Ck., or Fisherman's Cove Ck. .. 5
Argyh Creek 11
Arnoup Creek 15
Barnard Creek or Barnard Bay Ck., or Barnard Cove Ck. 19
Blee Creek or Alston Ck. 22
Bloomfield Creek 27
Busey Creek 31
Canoona River or Indian R., or Kootowis Ck. 35
Chapple Creek 41
Clifford Creek 45
Dallain Creek 49
Dally Creek 53
Deep Bay Creek or Borrowman Ck. 57
Devil Creek 61
Dome Creek or Head Ck. 65
Don Creek 69
Douglas Creek 73
Duffey Creek 77
Eagle Creek 81
East Arm Creek 85
Evinrude Creek 89
Fifer Cove Creek 93
Flux Creek 97
Fury Creek 101
Gil Creek 105
Goat Harbour Creek or Goat Cove Ck., or Goat R. 109
Green Inlet Creek or Green R., or Green Inlet R. 113
Gull Creek 119
Kdelmashan Creek or Lagoon Ck. 123
Khutze River 129
Klekane River 135
Kwakwa Creek or Kwa Kwa Ck., or Qua Qua Ck. 139
Limestone Creek 143
Linnea Creek 147
Marmot Cove Creek 151
Marshall Creek 155
MacDonald Creek 159
McKay Creek or Little Ck. 163
McMicking Creek 167

CONTENTS (cont'd)

Meyers Pass Creek or Meyers Ck. 171
Nias Creek 175
Osment Creek 181
Packe Creek 185
Penn Creek or Adams R. 189
Powles Creek 193
Price Creek 197
Pyne Creek 203
Quigley Creek 209
Roland Creek 213
Ronald Creek 217
Salmon Creek 221
Scow Bay Creek 225
Sentinel Creek 231
Soda Creek 235
Stannard Creek 241
Steep Creek 245
Talamoosa Creek 249
Taylor Creek 255
Trahey Creek 259
Trennaman Creek 263
Tyler Creek 267
Wale Creek 271
Weeteeam Creek or Noble Ck. 277
West Creek 283
West Arm Creek 287

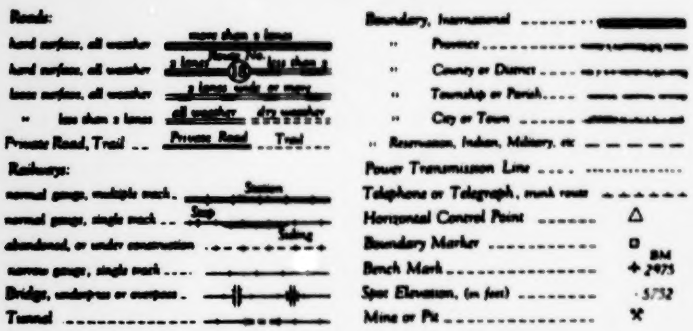
Metric Equivalents 291

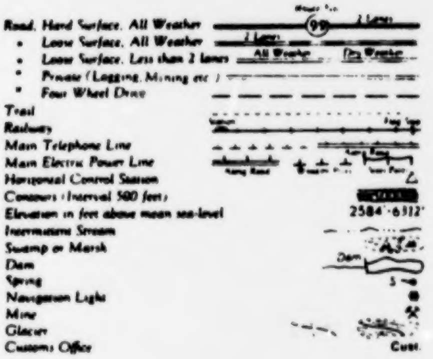


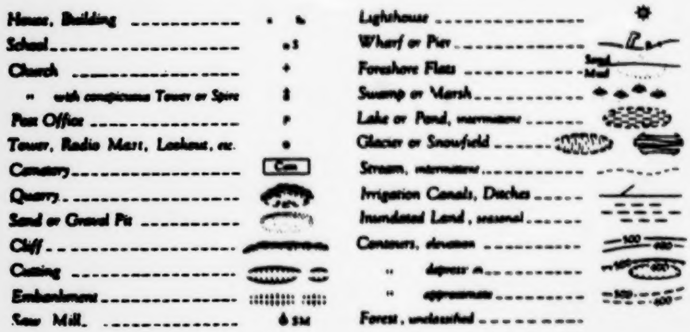
STATISTICAL AREAS
FISHERIES & OCEANS
PACIFIC REGION

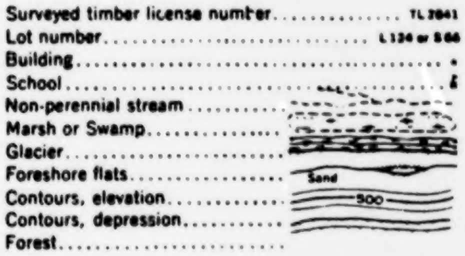
1
2A-East
2A-West
2B-East
2B-West
3
4
5
6
7
8
9
10
11
12
17
20
27
29
QUEEN
CHARLOTTE
ISLANDS
PRINCE RUPERT
BABINE LAKE
OWIKENO LAKE
RIVERS INLET
SMITH INLET
JOHNSTONE STRAIT
VANCOUVER
ISLAND
STRAIT OF GEORGIA
JUAN DE FUCA STRAIT
VICTORIA

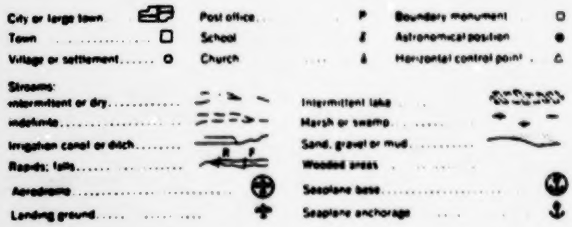
MAP REFERENCES

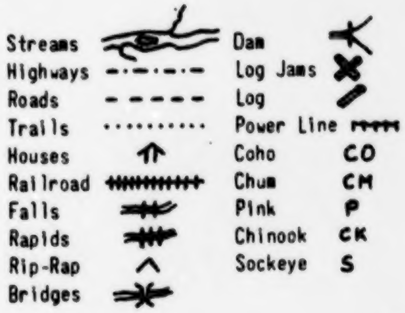

Roads:
hard surface, all weather
more than 2 lanes
hard surface, all weather
2 lanes
Route No.
less than 2
loose surface, all weather
2 lanes wide or more
" less than 2 lanes
all weather
dry weather
Private Road, Trail
Private Road
Trail
Railways:
normal gauge, multiple track
Station
normal gauge, single track
Stop
abandoned, or under construction
Siding
narrow gauge, single track
Bridge, underpass or overpass
Tunnel
Boundary, International
" Province
" County or District
" Township or Parish
" City or Town
" Reservation, Indian, Military, etc
Power Transmission Line
Telephone or Telegraph, trunk route
Horizontal Control Point
Boundary Marker
Bench Mark
BM 2975
Spot Elevation, (in feet)
5752
Mine or Pit

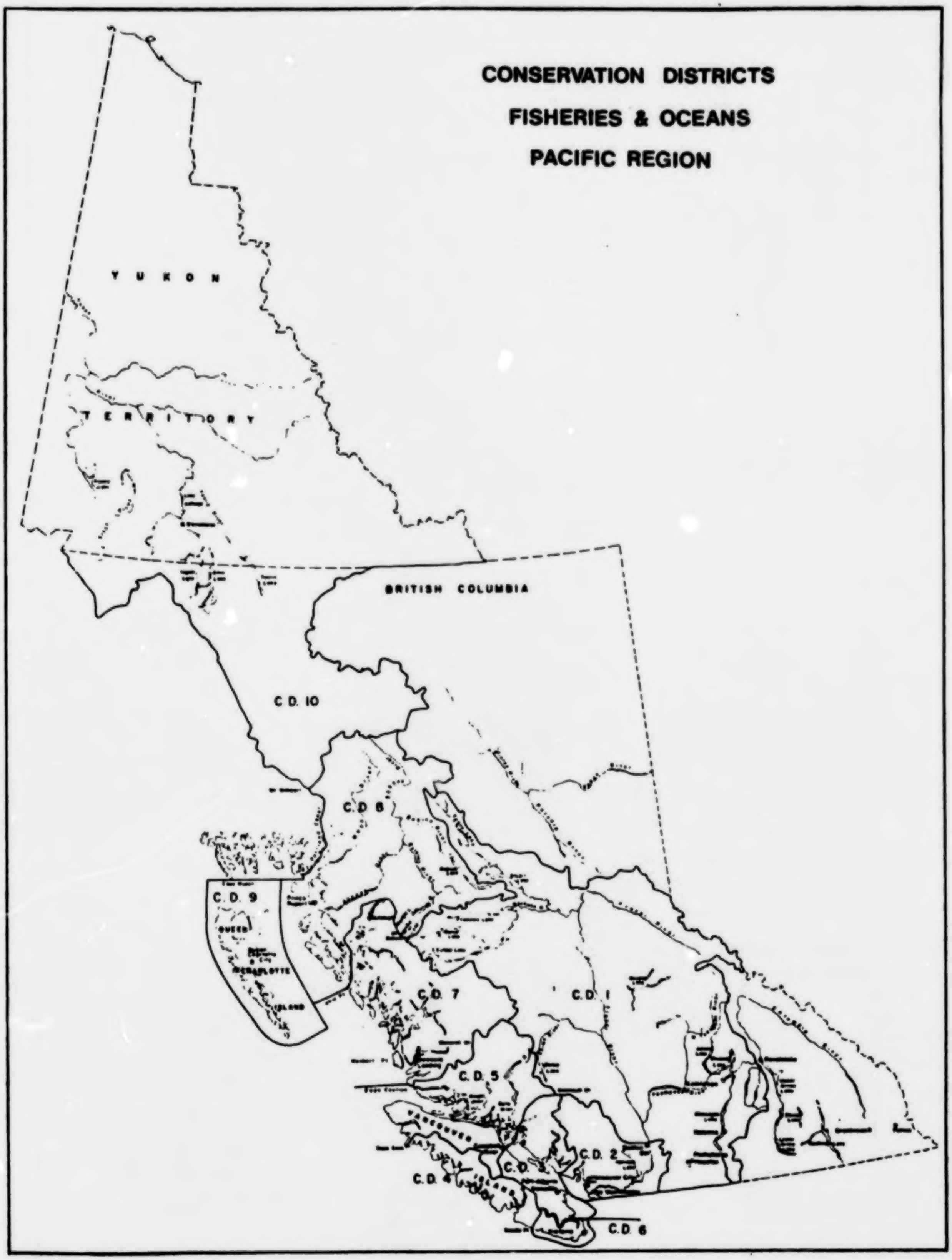

Road, Hard Surface, All Weather
Route No.
99
2 Lanes
" Loose Surface, All Weather
2 Lanes
" Loose Surface, Less than 2 lanes
All Weather
Dry Weather
" Private (Logging, Mining etc.)
" Four Wheel Drive
Trail
Railway
Main Telephone Line
Main Electric Power Line
Horizontal Control Station
Contours (Interval 500 feet)
Elevation in feet above mean sea-level
2584'·6312'
Intermittent Stream
Swamp or Marsh
Dam
Dam
Spring
S
Navigation Light
Mine
Glacier
Customs Office
Cust.


House, Building
School
S
Church
" with conspicuous Tower or Spire
Post Office
P
Tower, Radio Mast, Lookout, etc.
Cemetery
Cem
Quarry
Sand or Gravel Pit
Cliff
Cutting
Embankment
Saw Mill
SM
Lighthouse
Wharf or Pier
Foreshore Flats
Sand
Mud
Swamp or Marsh
Lake or Pond, intermittent
Glacier or Snowfield
Stream, intermittent
Irrigation Canals, Ditches
Inundated Land, seasonal
Contours, elevation
500
600
" depression
" approximate
500
600
Forest, unclassified


Surveyed timber license number
TL 2041
Lot number
L 134 or 566
Building
School
Non-perennial stream
Marsh or Swamp
Glacier
Foreshore flats
Sand
Contours, elevation
500
Contours, depression
Forest

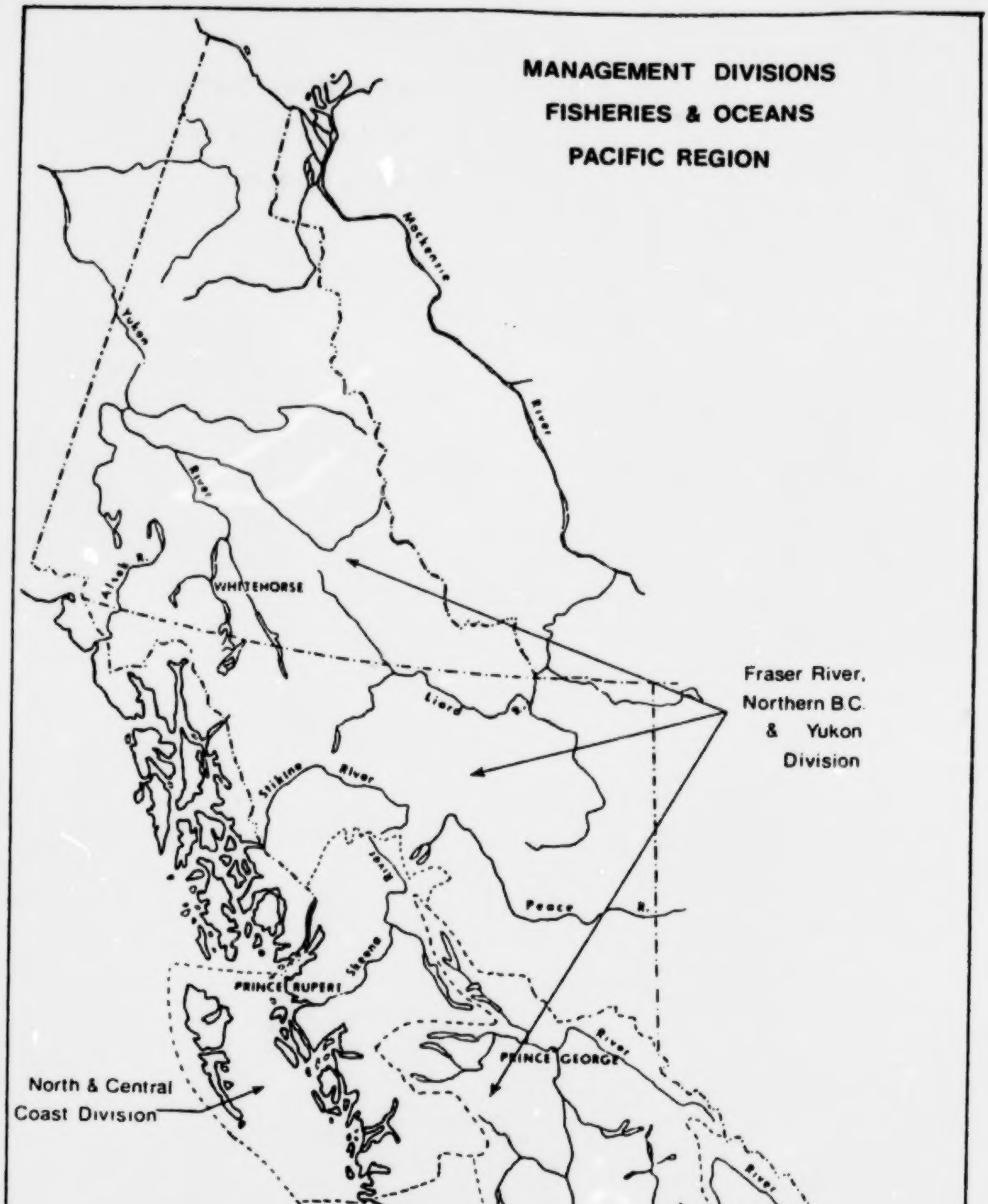

City or large town
Town
Village or settlement
Post office
P
School
Church
Boundary monument
Astronomical position
Horizontal control point
Streams:
intermittent or dry
indefinite
Irrigation canal or ditch
Rapids; falls
R F
Aerodrome
Landing ground
Intermittent lake
Marsh or swamp
Sand, gravel or mud
Wooded areas
Seaplane base
Seaplane anchorage


Streams
Highways
Roads
Trails
Houses
Railroad
Falls
Rapids
Rip-Rap
Bridges
Dam
Log Jams
Log
Power Line
Coho
CO
Chum
CM
Pink
P
Chinook
CK
Sockeye
S



CONSERVATION DISTRICTS
FISHERIES & OCEANS
PACIFIC REGION

YUKON
TERRITORY
BRITISH COLUMBIA
C.D. 10
C.D. 8
C.D. 9
QUEEN CHARLOTTE ISLAND
C.D. 7
C.D. 1
C.D. 5
VANCOUVER ISLAND
C.D. 2
C.D. 3
C.D. 4
C.D. 6



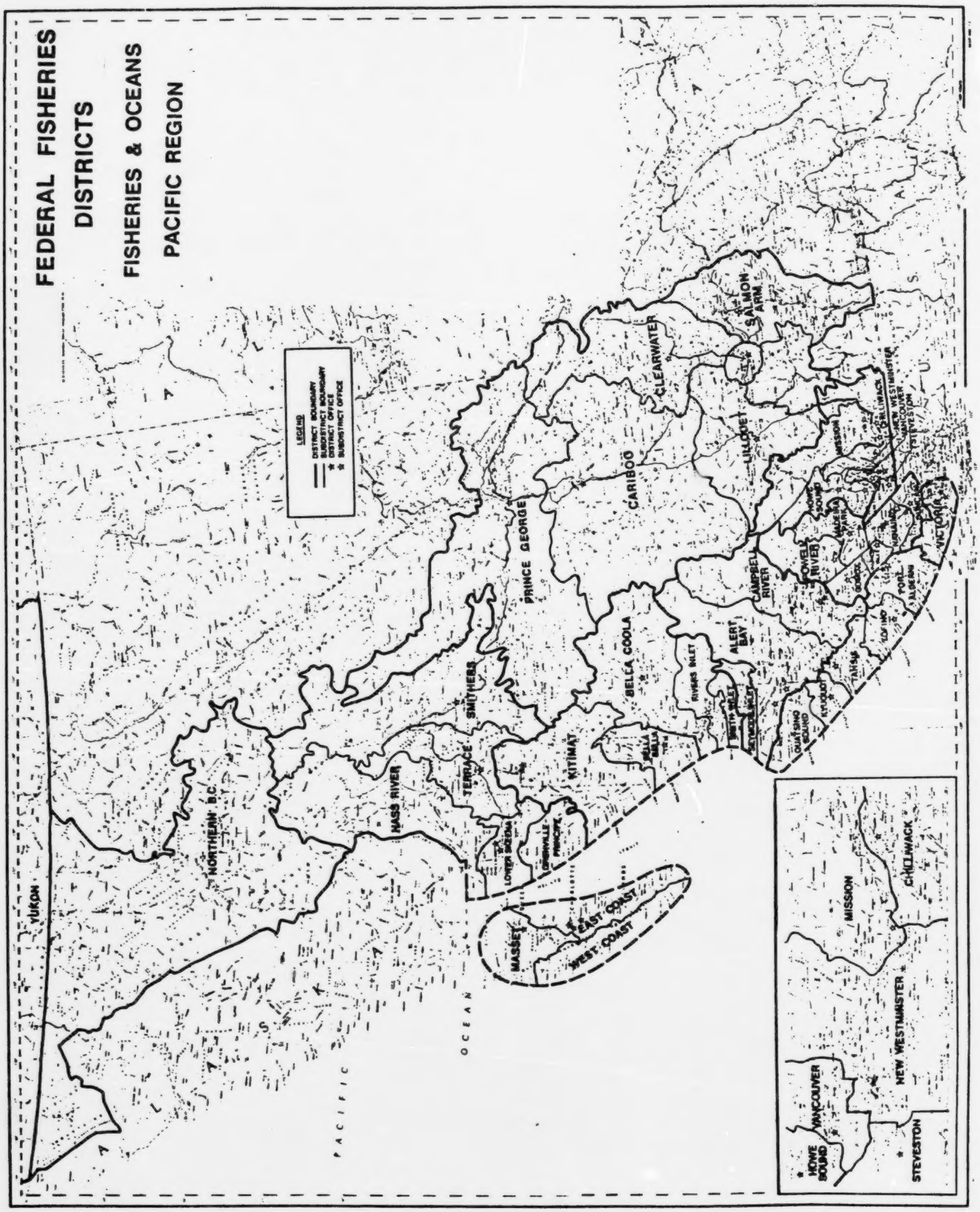
MANAGEMENT DIVISIONS
FISHERIES & OCEANS
PACIFIC REGION

Yukon
Mackenzie River
River
Alsek R.
WHITEHORSE
Liard R.
Stikine River
Peace R.
Skeena
PRINCE RUPERT
PRINCE GEORGE
River
KAMLOOPS
Fraser
VANCOUVER
VICTORIA
Columbia
River
Fraser River, Northern B.C. & Yukon Division
North & Central Coast Division
South Coast Division

FEDERAL FISHERIES DISTRICTS
FISHERIES & OCEANS

PACIFIC REGION

DISTRICT AND SUBDISTRICT OFFICES	ADDRESSES	TELEPHONE NUMBERS
DISTRICT #1 KAMLOOPS	202 Federal Bldg., 317 Seymour St., Kamloops, B.C., V2C 2E9	374-4322
Salmon Arm	Box 1160, Salmon Arm, B.C., V0E 2T0	832-8037
Prince George	Box 267, Postal Stn. A, Prince George, B.C., V2L 4S1	564-7030
Clearwater	P.O. Box 610, P.O. Building, Clearwater, B.C., V0E 1N0	674-9633
Lillooet	Box 315, Lillooet, B.C., V0K 1V0	256-4525
Cariboo	Box 4340, Quesnel, B.C., V2J 3J3	992-2434
DISTRICT #2 NEW WESTMINSTER	309 - 549 Columbia St., New Westminster, B.C., V3L 1B3	545-7181
Surrey	309 - 549 Columbia St., New Westminster, B.C., V3L 1B3	545-7181
Vancouver Waterfront	309 - 549 Columbia St., New Westminster, B.C., V3L 1B3	545-7181
Mission	Box 3308, Mission, B.C., V2V 4J5	826-3664
Chilliwack	Ste. 5, 9 Mary Street, Chilliwack, B.C., V2P 4G9	792-6011
Steveston	1255 No. 1 Road, Richmond, B.C., V7E 1T7	274-7217
Coquitlam	309 - 549 Columbia St., New Westminster, B.C., V3L 1B3	545-7181
Squamish	Box 85, Squamish, B.C., V0N 3G0	892-3230
DISTRICT #3 NANAIMO	204 - 60 Front St., Nanaimo, B.C., V9R 5H7	876-274
Parksville	Box 1120, Parksville, B.C., V0R 2S0	248-6710
Comox	Box 1328, Comox, B.C., V9N 3Z9	339-2031
Duncan	Box 241, Duncan, B.C., V9L 3X3	746-6221
Powell River	4770 Joyce Ave., Powell River, B.C., VBA 3B6	485-9621
Pender Harbour	Box 10, Madeira Park, B.C., V0N 2H0	883-2313
DISTRICT #4 PORT ALBERNI	P.O. Box 280, Federal Bldg., Port Alberni, B.C., V9Y 7M7	724-0195
Tofino	Box 48, Tofino, B.C., V0R 2Z0	725-3468
Tahsis	Box 549, Tahsis, B.C., V0P 1X0	934-6606
Port Hardy	Box 10, Port Hardy, B.C., V0N 1P0	949-6422
DISTRICT #5 CAMPBELL RIVER	215 - 950 Alder St., Campbell River, B.C., V9W 2P8	287-2102
Port Hardy	Box 10, Port Hardy, B.C., V0N 2P0	949-6422
Alert Bay	Box 263, Alert Bay, B.C., V0N 1A0	974-5216
DISTRICT #6 VICTORIA	116 - 816 Government St., Victoria, B.C., V8W 1W9	566-3252
Saanich	116 - 816 Government St., Victoria, B.C., V8W 1W9	566-3252
Sooke	Box 831, Sooke, B.C., V0Z 1N0	642-5322
DISTRICT #7 KITIMAT	312 - 450 Federal Bldg., City Centre, Kitimat, B.C., V8C 1T6	632-6158
Butedale	312 - 450 Federal Bldg., City Centre, Kitimat, B.C., V8C 1T6	632-6158
Bella Bella	Box 38, Bella Bella, B.C., V0T 1B0	957-2312
Bella Coola	Box 130, Bella Coola, B.C., V0T 1C0	799-5345
Rivers Inlet	Dawsons Landing P.O., Rivers Inlet, B.C., V0N 1M0	Radio Ph.
DISTRICT #8 PRINCE RUPERT	109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8	624-9137
Lower Nass	109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8	624-9137
Upper Nass	P.O. Box 29, Nass Camp P.O., B.C., V0N 3J0	633-2408
Skeena	109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8	624-9137
Grenville-Principe	109 - 417 Second Ave. West, Prince Rupert, B.C., V8J 1G8	624-9137
Hazelton	Box 327, Hazelton, B.C., V0J 1Y0	842-6327
Terrace	4721-B Lazelle Ave., Terrace, B.C., VBG 1R6	635-2206
Smithers	Box 578, Smithers, B.C., V0J 2N0	847-2312
DISTRICT #9 QUEEN CHARLOTTE	Box 99, Q.C. City, Queen Charlotte Islands, B.C., V0T 1S0	559-4413
Sandspit	Box 222, Sandspit, B.C., V0T 1T0	637-5340
Masset	Box 99, Masset, B.C., V0T 1M0	626-3316
DISTRICT #10 WHITEHORSE	122 Industrial Road, Whitehorse, Yukon Territories, Y1A 2T9	403-667-2235
Haines Junction	P.O. Box 5341, Haines Junction, Y.T., Y0B 1L0	403-667-2235


FEDERAL FISHERIES
DISTRICTS
FISHERIES & OCEANS
PACIFIC REGION
LEGEND
DISTRICT BOUNDARY
SUBDISTRICT BOUNDARY
DISTRICT OFFICE
SUBDISTRICT OFFICE
YUKON
NORTHERN B.C.
NASS RIVER
TERRACE
SMITHERS
PRINCE GEORGE
CARIBOO
CLEARWATER
SALMON ARM
LILLOOET
KITIMAT
LOWER SKEENA
GRENVILLE PRINCIPE
BELLA BELLA
BELLA COOLA
RIVERS INLET
ALERT BAY
CAMPBELL RIVER
POWELL RIVER
HOWE SOUND
MISSION
CHILLIWACK
NEW WESTMINSTER
VANCOUVER
STEVESTON
NANAIMO
VICTORIA
PORT ALBERNI
TOFINO
KYUQUOT
TAHSIS
QUATSINO SOUND
MASSET
EAST COAST
WEST COAST
PACIFIC OCEAN
ALASKA
ALBERTA
U.S.A.

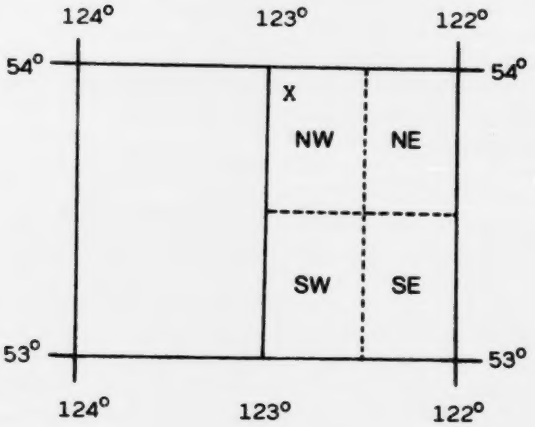
STANDARDS USED ON STREAM DATA PAGE

Name of Stream: Name as given in Gazetteer of Canada, British Columbia 1966 edition; local or non-gazetted names are added in lower case type.

Conservation District: As defined by the Conservation and Protection Service (April 1965).

Statistical Area: As defined by Department of the Environment, Fisheries Operations Statistical Map (January 1974).

Location and Position: Defined by quadrant indexing. Each geographical quadrilateral of the earth's surface of 1 degree in extent in latitude and longitude is divided into the SE, SW, NE and NW quarters. The south-east corner of each quadrilateral gives the initial point for the figure of reference (Gazetteer of Canada).



EXAMPLE "X"
53° 122° NW

Length: The portion of the stream accessible to spawning salmon.

Width: Average width, estimated to the nearest metre for the described length.

Drainage: Area in square kilometres of the entire drainage basin feeding the stream.

Composition:

Bedrock	bedrock
Boulder	>256 mm
Coarse	50.9 - 256 mm
Fine	3.37 - 50.8 mm
Sand & Silt	<3.37 mm
Unclassified	where bottom cannot be observed, e.g. log jams, pools, water colour, etc.

Gradient: Expressed as a percentage

Wetted Area: Number of square metres of stream bed under water at average flows within the described length.

Spawning Area: Estimated square metres of stream bed suitable for salmon spawning within the described length.

Discharge: Mean annual discharge. Maximum and minimum values are either daily means or instantaneous discharges. The latter are identified by (Inst.). Discharge data is taken from "Historical Stream Flow Summary", British Columbia, Water Survey of Canada.

Temperature: As described. (°C)

Barriers and Points of Difficult Ascent: Complete and partial barriers to salmon and their distance from the stream mouth. Species likely to be affected may be listed. Both natural and man-made obstructions are defined.

Spawning Distribution: Portion of the stream utilized by each species. Distribution is indicated by brief comments opposite the species.

Potential of Inaccessible Portion of Stream: Indicates whether or not the inaccessible portion of the stream could be utilized by spawning salmon.

General Remarks: Emphasizes features of stream and spawning populations. Also includes industrial activity, routes of accessibility, etc. The comments with dates are taken from "Annual Reports of Salmon Streams & Spawning Grounds" (B.C. 16's). In some cases, references to additional information not included in the General Remarks may be given.

Escapement Records: The escapement represents the mid point of the coded range of escapement for each species. For example: the letter "H" representing 5000-10000 fish would be entered as 7500. Where absolute numbers are provided by Fisheries Personnel, these numbers are entered. N/O means the stream was inspected but no fish were observed; UNK means there was evidence of fish present but no estimates were made; NO RECORDS means no escapement records for the applicable years could be found in the escapement files.

Timing: Dates which salmon arrive in the stream, begin to spawn, reach peak spawning period and finish spawning.

E = early (1st to 10th of the month)
M = mid (11th to 20th of the month)
L = late (21st to end of the month)

NB: Distance references are from the mouth of the stream unless otherwise stated.

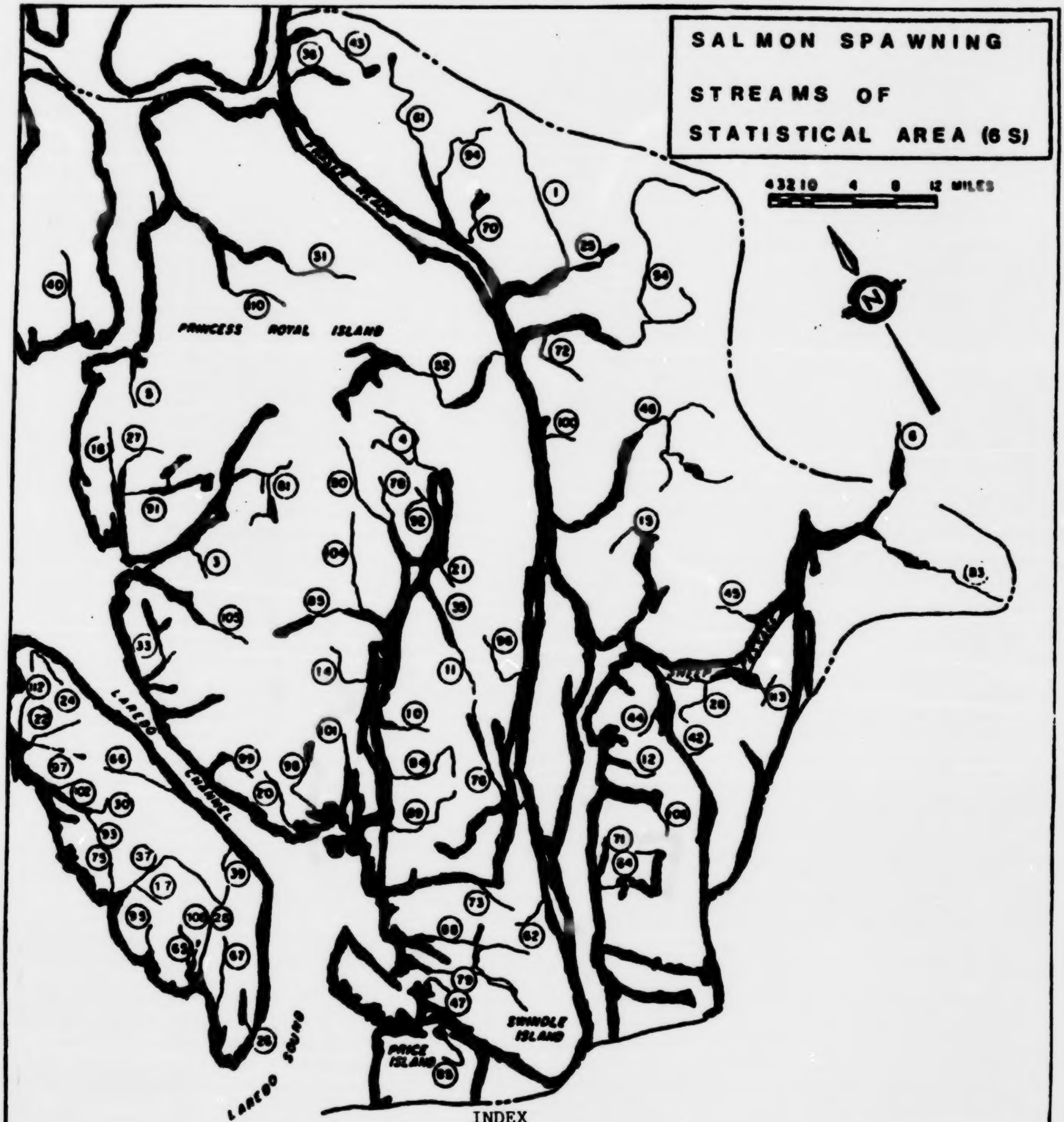
ESCAPEMENT RECORD FOR STATISTICAL AREA 6 (SOUTH)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	30325		78200	166050	75125	
48			83075	7525	100125	
49	24875	1500	63875	150000	126950	
50	33025	1700	41075	112325	74475	
51	15230	1700	78900	89065	119650	
52			3500	8250	114150	
53	21400	1700	56900	120475	75625	
54	18025	950	50925	120075	92750	
55	17675	1575	66150	54300	94775	
56	14000	750	80350	52675	173025	
57	22250	100	86450	97800	52250	
58	11725	1725	37000	81375	127800	
59	17176	200	28075	13600	114100	25
60	13625	125	31550	123700	187250	
61	7150	100	32850	47975	285325	200
62	11975	425	46675	110625	574450	
63	18600	2000	122800	61525	402875	
64	11750	1550	39250	164125	343325	25
65	9800	1575	48125	43500	130275	
66	10040		7330	34915	255400	
67	13025	225	7450	55600	22725	
68	5700		31935	51302	244590	
69	2175	12	12620	25378	60865	
70	5150		17025	32975	171725	
71	4050	25	14750	26900	167975	
72	2575		24125	42200	128050	
73	18925		7500	102900	113740	
74	8000		12270	34525	87044	
75	6000		14525	47918	78270	
76	5500	20	19043	28420	368868	
77	6563	30	12490	31241	47980	
78	5050	10	8325	35725	176255	
79	4850		13920	23200	147280	
80	3380	60	5795	14922	198824	
81						
82						
83						
84						
85						

TIMING:

ARRIVE						
START						
PEAK						
END						

REMARKS


SALMON SPAWNING
STREAMS OF
STATISTICAL AREA (6 S)
4 3 2 1 0 4 8 12 MILES
N
PRINCESS ROYAL ISLAND
LAREDO CHANNEL
LAREDO SOUND
SWINDLE ISLAND
PRICE ISLAND

INDEX

Aaltanhash River (1)

Angle Cove Creek (36)
(Angler's Cove Ck.,
Fisherman's Cove Ck.)

Argyh Creek (3)

Arnoup Creek (4)

Barnard Creek (5)
(Barnard Bay Ck.,
Barnard Cove Ck.)

Blee Creek (10)
(Alston Ck.)

Bloomfield Creek (11)

Busey Creek (14)

Canoona River (52)
(Indian R.,
Kootowis R.)

Chapple Creek (16)

Clifford Creek (37)

Dallain Creek (20)

Dally Creek (21)

Deep Bay Creek (22)
(Borrowman Ck.)

Devil Creek (24)

Dome Creek (25)
(Head Ck.)

Don Creek (26)

Douglas Creek (27)

Duffey Creek (28)

Eagle Creek (30)

INDEX TO MAP OF SPAWNING STREAMS OF STATISTICAL AREA 6 (SOUTH) - (Cont'd)

East Arm Creek (31)

Evinrude Creek (33)

Fifer Cove Creek (35)

Flux Creek Creek (17)

Fury Creek (39)

Gil Creek (40)

Goat Harbour Creek (43)
(Goat Cove Ck., Goat
R.)

Green Inlet Creek (46)
(Green Inlet R., Green
R.)

Gull Creek (47)

Kdelmashan Creek (64)
(Lagoon Ck.)

Khutze River (54)

Klekane River (61)

Kwakwa Creek (88)
(Kwa Kwa Ck.,
Qua Qua Ck.)

Limestone Creek (66)

Linnea Creek (67)

Marmot Cove Creek (70)

Marshall Creek (72)

MacDonald Creek (75)

McKay Creek (76)
(Little Ck.)

McMicking Creek (76)
(see pg. for location)

Meyers Pass Creek (73)
(Meyers Creek)

Nias Creek (78)

Osment Creek (79)

Packe Creek (80)

Penn Creek (81)
(Adams Ck.)

Powles Creek (84)

Price Creek (85)

Pyne Creek (86)

Quigley Creek (89)

Roland Creek (91)

Ronald Creek (92)

Salmon Creek (93)

Scow Bay Creek (94)

Sentinel Creek (95)

Soda Creek (96)

Stannard Creek (97)

Steep Creek (98)

Talamoosa Creek (99)

Taylor Creek (100)

Trahey Creek (101)

Trenaman Creek (102)

Tyler Creek (104)

Wale Creek (105)

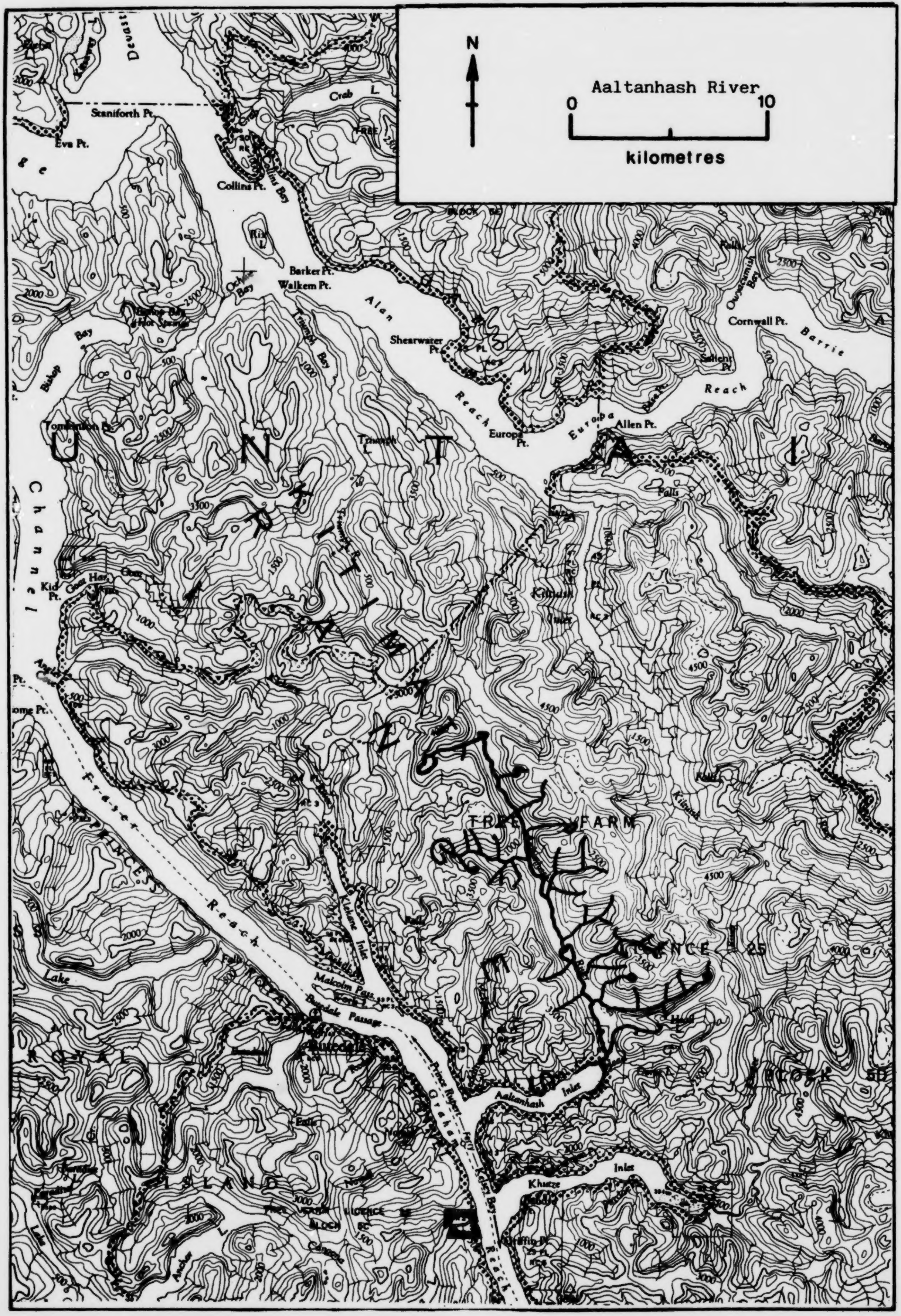
Weeteeam Creek (108)
(Noble Ck.)

West Creek (112)

West Arm Creek (110)

STREAM DATA

STATISTICAL AREA 6 (SOUTH)


N
Aaltanhash River
0
10
kilometres
Devastation
Staniforth Pt.
Crab L
Eva Pt.
Collins Bay
Collins Pt.
Riz L
Barker Pt.
Walkem Pt.
Alan Reach
Bishop Bay
Shearwater Pt.
Triumph Bay
Cornwall Pt.
Barrie Reach
Europa Pt.
Europa Reach
Allen Pt.
Tomlinson Pt.
U N T I A I
Channel
Kid Pt.
Goat Hbr.
Falls
Kiltuish Inlet
Fraser Reach
PRINCESS
TREE FARM LICENCE 25
Malcolm Pass
Butedale Passage
Butedale
Lake
ROYAL
ISLAND
Prince Rupert Ferry
Aaltanhash Inlet
BLOCK 5D
Graham Reach
Khutze Inlet
2000
2500
3000
4500

NAME OF STREAM AALTANHASH RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into aaltanhash Inlet, Rge. 4, Coast Dist.

POSITION 53° N 128° W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 4.0 km
- Passable falls at 2.0 km upstream from mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	- to passable falls and above
COHO	- to passable falls and above
CHUM	- to 2.0 km
PINK (ODD YEAR)	- to 2.0 km
PINK (EVEN YEAR)	- to 2.0 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Excellent spawning gravel

-1950. Canyon lies about 2.0 km upstream from mouth

-1951. Poor spawning habitat in lower 0.8 km, fair spawning gravel in 0.8 km - 2.0 km (canyon) section

-1956. Inlet closed to net fishing

-1969. Good spawning gravel in upper reaches

-1974. Some scouring of streambed and loss of spawn caused by October 15th flood

-1975. Good potential

-1980. High flow in late December may have caused some erosion in the system

- Limited predation by bears and birds

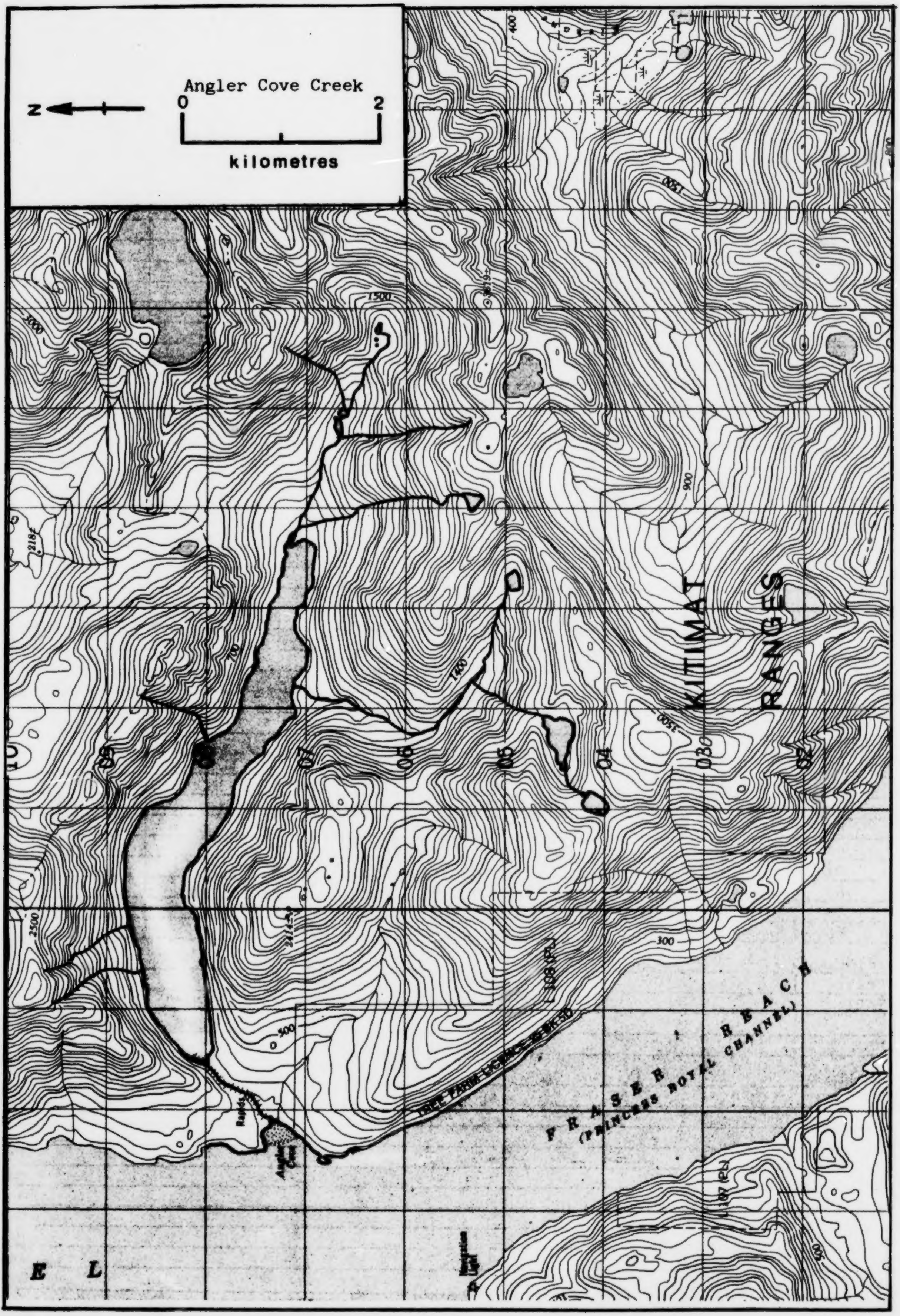
ESCAPEMENT RECORD FOR AALTANHASH RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			200	750	750	
48			750		750	
49			400	750	1500	
50		200	75	750	1500	
51		200	700	100	3300	
52					750	
53		200	75	1500	1500	
54		200	400	75	200	
55		75	75	75	750	
56		UNK	75	1500	750	
57		25	750	N/O	N/O	
58		200	750	750	1500	
59		25	400	25	3500	
60		75	1500	3500	3500	
61		75	750	75	7500	
62		400	400	3500	15000	
63		400	750	1500	15000	
64		25	3500	3500	15000	
65		75	750	200	7500	
66		N/O	10	200	3000	
67		25	200	3500	N/O	
68			200	400	1500	
69		12	400	30	120	
70			200	200	3500	
71			200	400	2000	
72		N/O	200	100	1500	
73		N/O	N/O	100	500	
74			150	150	300	
75			N/O	N/O	N/O	
76			1000		200	
77	3		75	N/O	1000	
78		2	20	20	350	
79			200	N/O	700	
80			40	5	400	
81						
82						
83						
84						
85						

TIMING

ARRIVE			SEPT	L. AUG	L. AUG	
START			SEPT	E. SEPT	E. SEPT	
PEAK			OCT	M. SEPT	M. SEPT	
END			NOV	L. SEPT	L. SEPT	

REMARKS


Angler Cove Creek
N
0
2
kilometres
KITIMAT
RANGES
F R A S E R   R E A C H
(PRINCESS ROYAL CHANNEL)
10
09
08
07
06
05
04
03
02
1500
900
1400
1500
2000
2500
300
500
400
Rapids
Angler Cove
E L

NAME OF STREAM ANGLER COVE CREEK (Angler's Cove Creek, Fisherman's Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Angler Cove at the S. end of Ursula Chan., Rge. 4, Coast Dist. POSITION 53^{0} N 128^{0} W

LENGTH 0.4 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

Rock falls 0.4 km from mouth to lake outlet. Impassable

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- mouth to falls
CHUM	- mouth to falls
PINK (ODD YEAR)	- mouth to falls
PINK (EVEN YEAR)	- mouth to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951, 1958. Kokane observed in lake

-1957, 1958. Good trout area in lake watershed

-1958. Recommended survey of lake to assess its potential for supporting sockeye, but no further action was taken

-1962. Very high water levels created pools beside falls, enabling some chum salmon to get above falls

-1964. Poor observation conditions

-1968. No recorded spawning since 1962, therefore suggested that this stream be removed from active files

-1969-1971. Very short stream with large rocky substrate, few areas of spawning gravel and very limited spawning potential

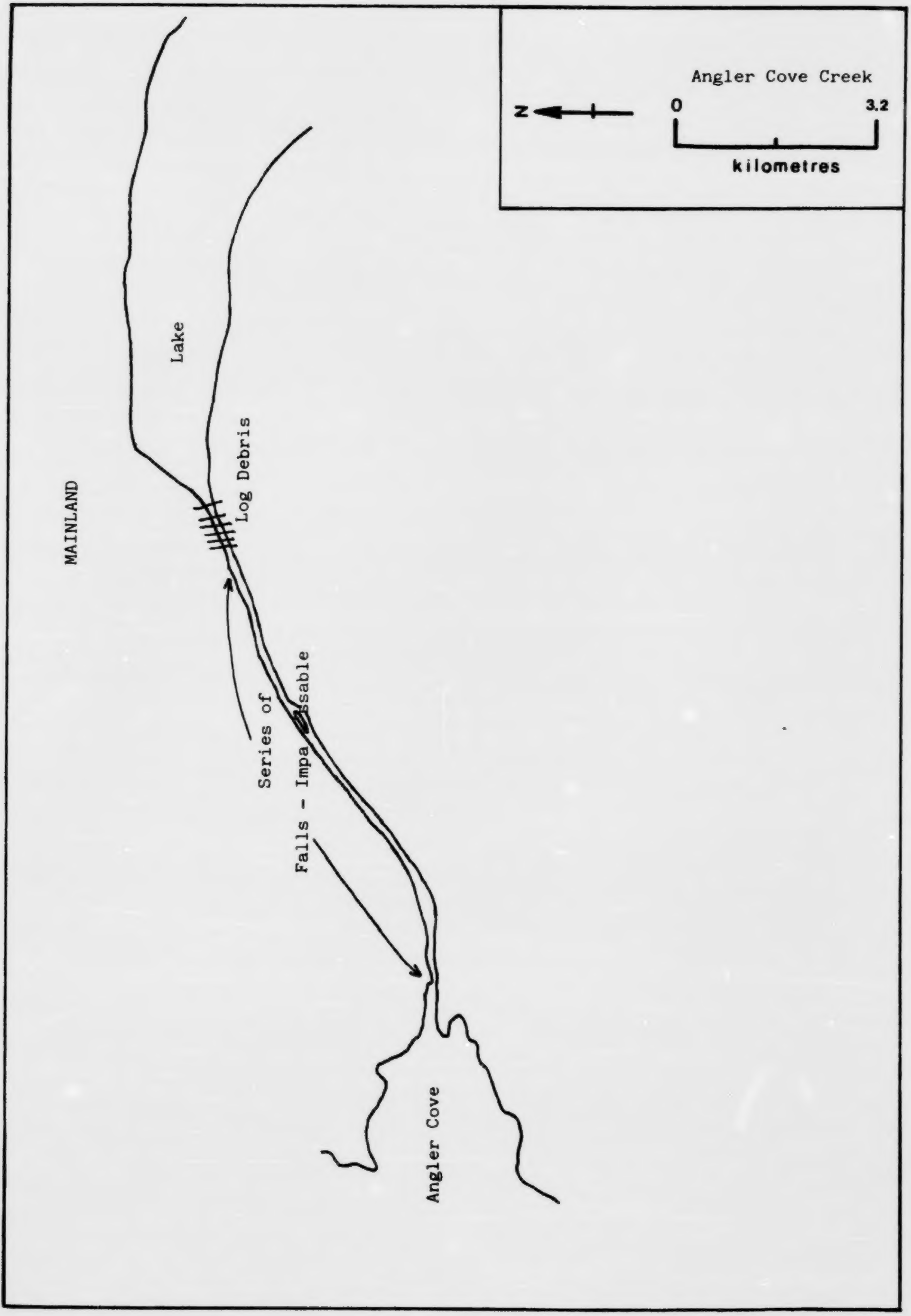
-1975. First records of pink and chum spawners in 12 yrs

GENERAL REMARKS (cont'd) - Angler Cove Creek

-1978. Fish reported in creek

-1980. High water in late December may have caused some streambed erosion

- Subject to seasonal fluctuations in water levels


Angler Cove Creek
N
0
3.2
kilometres
Lake
Log Debris
MAINLAND
Series of
Falls - Impassable
Angler Cove

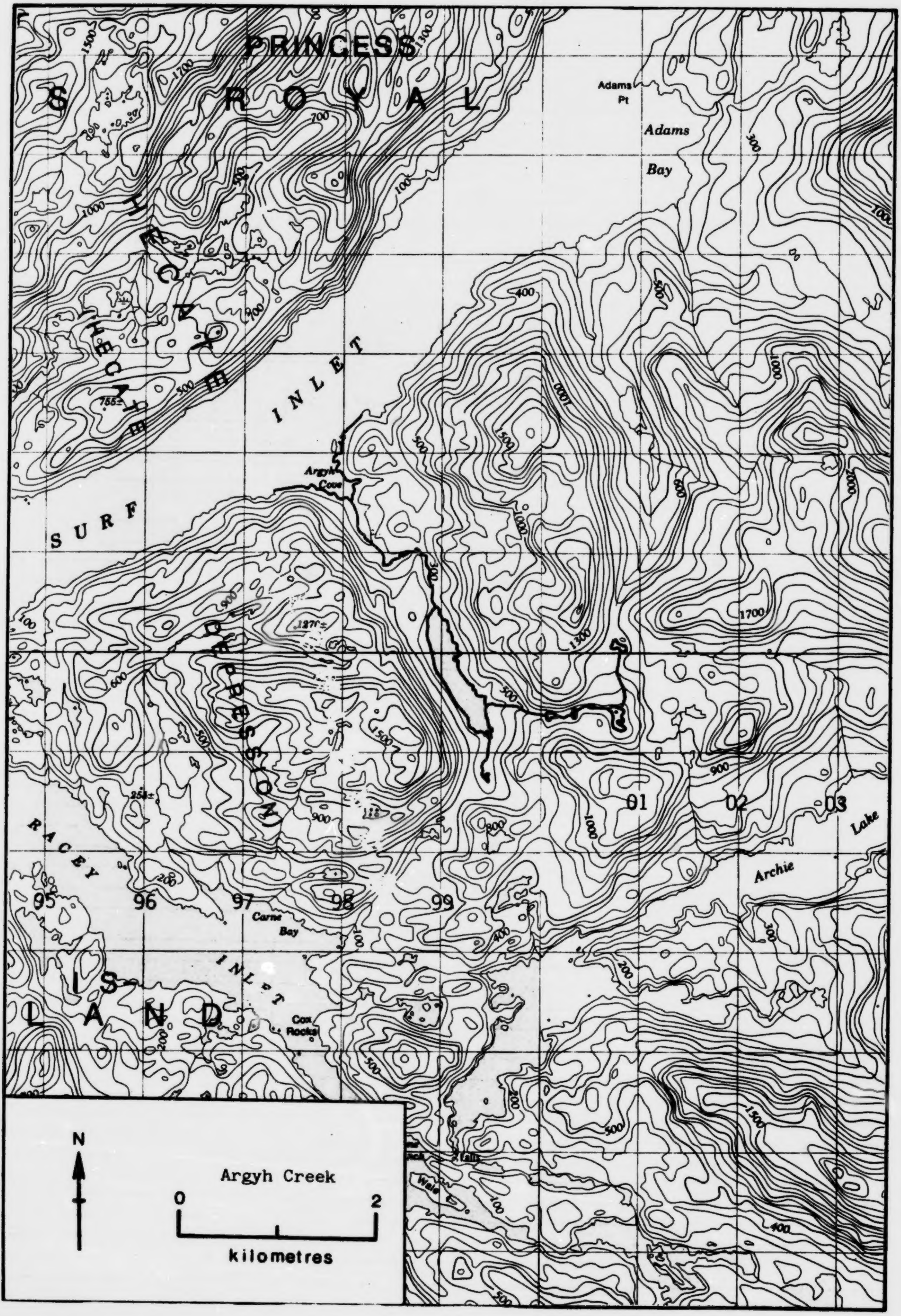
ESCAPEMENT RECORD FOR ANGLER COVE CREEK (Angler's Cove Creek, Fisherman's Cove Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	3500	1500	
48				NO RECORD		
49			25	1500	1500	
50			N/O	200	750	
51			75	1800	2000	
52				NO RECORD		
53			25	200	200	
54			75	200	1500	
55			75	750	200	
56			25	400	1500	
57				75	25	
58			N/O	400	400	
59			25	25	25	
60			N/O	N/O	N/O	
61			N/O	N/O	25	
62			25	400	N/O	
63			75	400	25	
64			N/O	N/O	N/O	
65			N/O	N/O	N/O	
66			N/O	N/O	N/O	
67			200	N/O	N/O	
68						
69						
70				NO FISH OBSERVED		
71				1968 - 1974		
72						
73						
74						
75				30	14	
76					N/O	
77				N/O	N/O	
78				30	25	
79				N/O	N/O	
80				N/O	N/O	
81						
82						
83						
84						
85						

TIMING:

ARRIVE			AUG	AUG	AUG	
START			AUG	AUG	AUG	
PEAK			SEPT	L AUG	SEPT	
END			OCT	SEPT	SEPT	

REMARKS


PRINCESS
ROYAL
HECATE
HECATE
SURF INLET
DEPRESSION
RACEY INLET
ISLAND
Adams Pt
Adams Bay
Argyh Cove
Carne Bay
Cox Rocks
Archie Lake
Falls
95
96
97
98
99
01
02
03
N
Argyh Creek
0
2
kilometres

NAME OF STREAM (Argyh Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Argyh Cove, S. shore of Surf Inlet, Rge. 3, Coast Dist.

POSITION 52° N 129° W

LENGTH 2.4 km WIDTH ______ m DRAINAGE ______ km²

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ m² SPAWNING AREA ______ m²

DISCHARGE (m^3/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

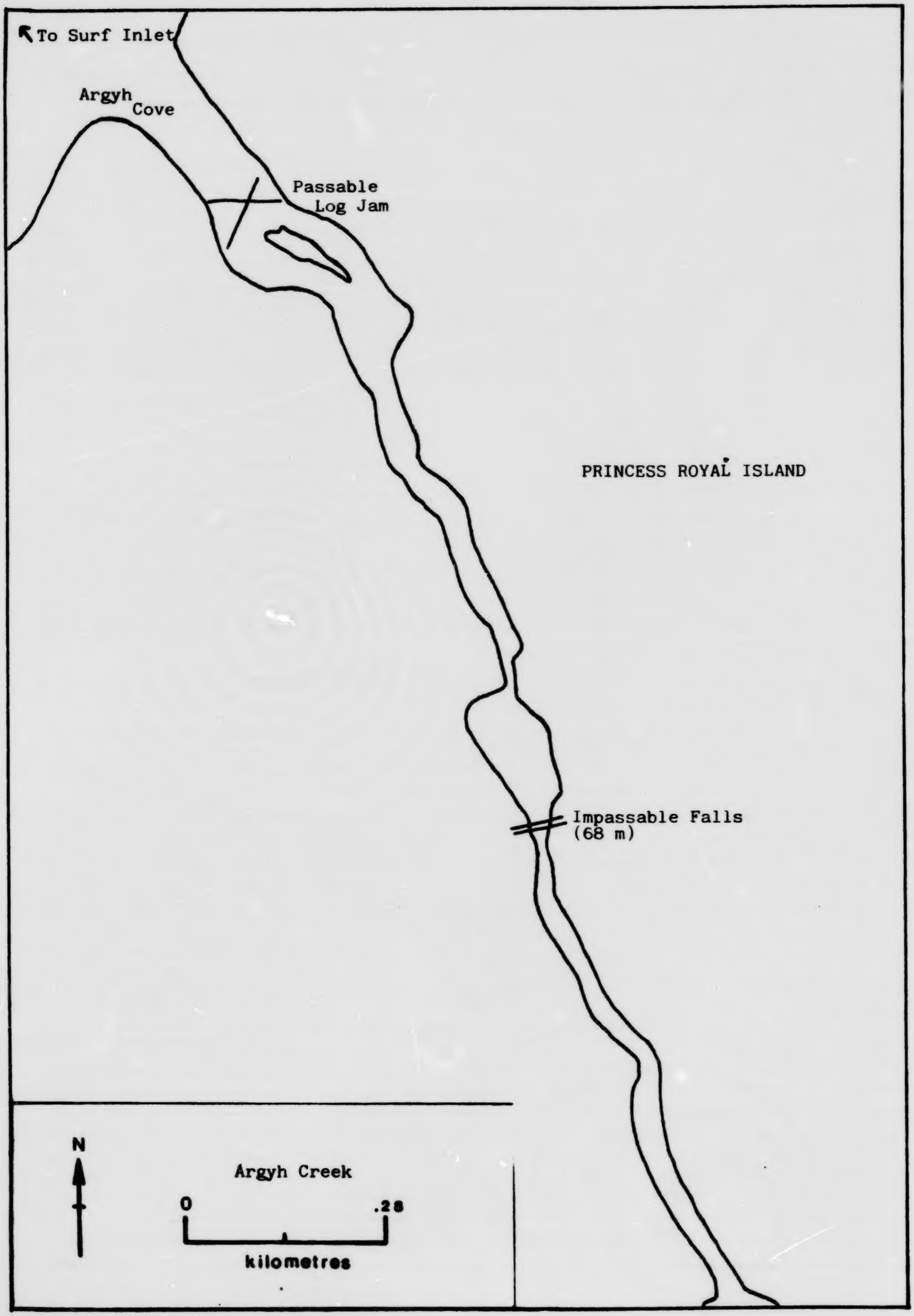
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- within 1.2 km of tidal water
CHUM	- within 1.2 km of tidal water
PINK (ODD YEAR)	- within 1.2 km of tidal water
PINK (EVEN YEAR)	- within 1.2 km of tidal water
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

- Steep rocky creek, with little spawning gravel, limited spawning potential, and normal seasonal fluctuations in water levels


To Surf Inlet
Argyh Cove
Passable Log Jam
PRINCESS ROYAL ISLAND
Impassable Falls (68 m)
N
Argyh Creek
0
.28
kilometres

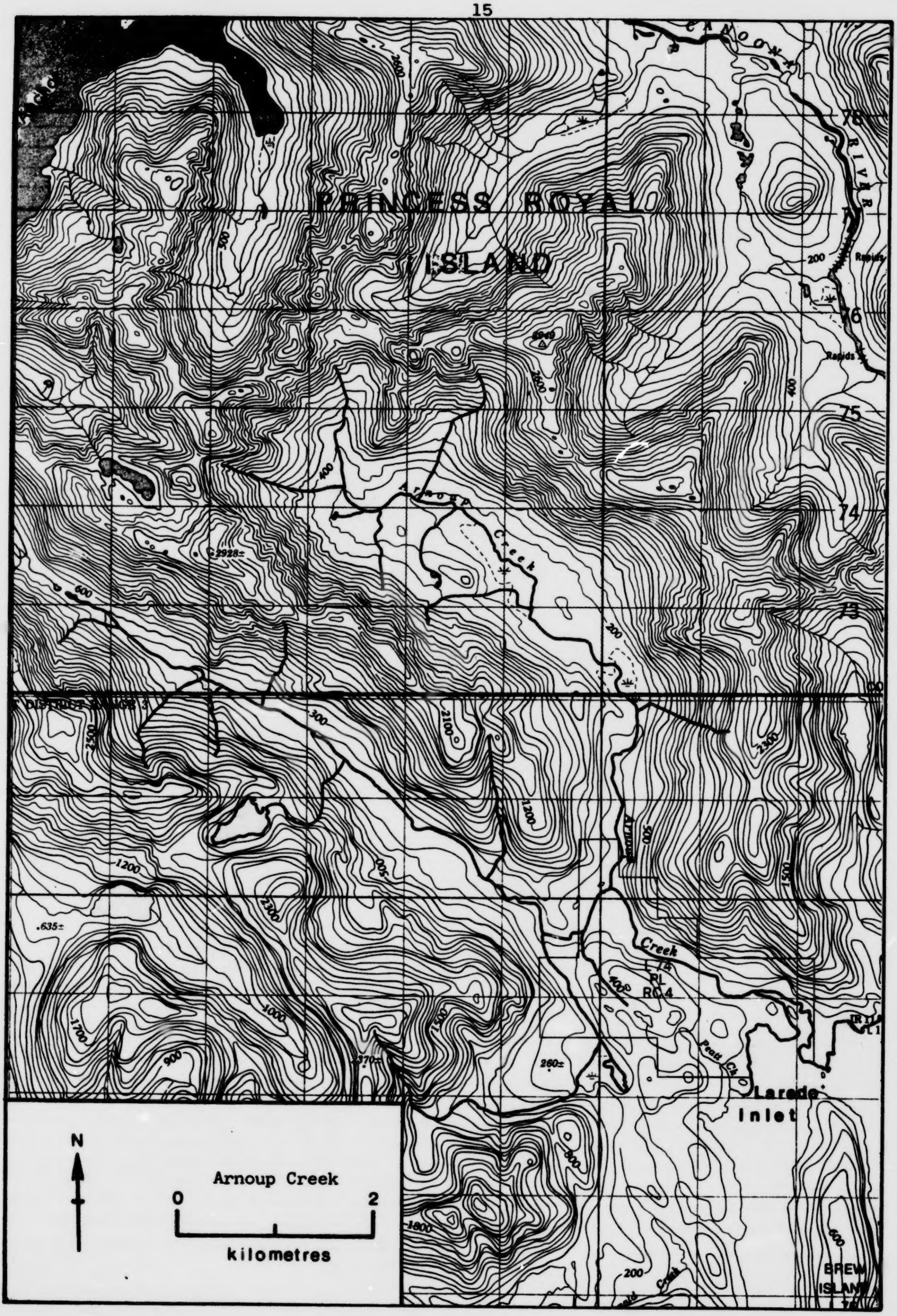
ESCAPEMENT RECORD FOR (Argyh Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	75	25	
48			25		25	
49			25	75	25	
50			25	75	25	
51			100	25	50	
52					200	
53			25	25	25	
54			75	25	25	
55			400	200	25	
56			750	400	750	
57			200	25	N/O	
58			200	75	200	
59			200	25	200	
60			75	25	200	
61			200	25	200	
62			200	400	400	
63			200	75	200	
64			UNK	UNK	UNK	
65			UNK	UNK	UNK	
66			N/O	N/O	N/O	
67			N/O	N/O	N/O	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			NOT INSPECTED			
73			NOT INSPECTED			
74			N/O	N/O	N/O	
75			N/O	N/O	N/O	
76				225		
77			N/O	N/O	N/O	
78				5	10	
79				N/O	N/O	
80				N/O	N/O	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS

- 1965. Creek was dry during spawning period. No salmon observed at mouth or vicinity.


PRINCESS ROYAL
ISLAND
CANOONA
RIVER
Rapids
Rapids
78
76
75
74
73
2949
2600
2800
500
400
200
400
Arnoup
Creek
2928±
600
200
DISTRICT RANGE 3
2500
300
2100
2300
1200
500
Arnoup
500
1500
1200
2300
.635±
Creek
L74
PL
RC4
1700
1000
900
2370±
260±
Pratt Ck
Laredo
Inlet
IR 1
L 1
800
1800
200
Creek
600
BREW
ISLAND
N
Arnoup Creek
0
2
kilometres

NAME OF STREAM ARNOUP CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into head of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable obstruction 3.2-4.8 km from mouth on left fork. Feasibility of passage depends on water levels
- Impassable falls 4.0 km upstream from mouth on right fork

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- above falls on left fork
CHUM	- primarily on left fork from tidal water to falls
PINK (ODD YEAR)	- to falls on right fork and scattered through lower 1.6 km on left fork
PINK (EVEN YEAR)	- to falls on right fork
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1955. Light seeeding of river

-1956. Light seeding continued inspite of additional protection afforded Arnoup Cr. stocks

-1964. Heavy fishing of stocks off creek mouth

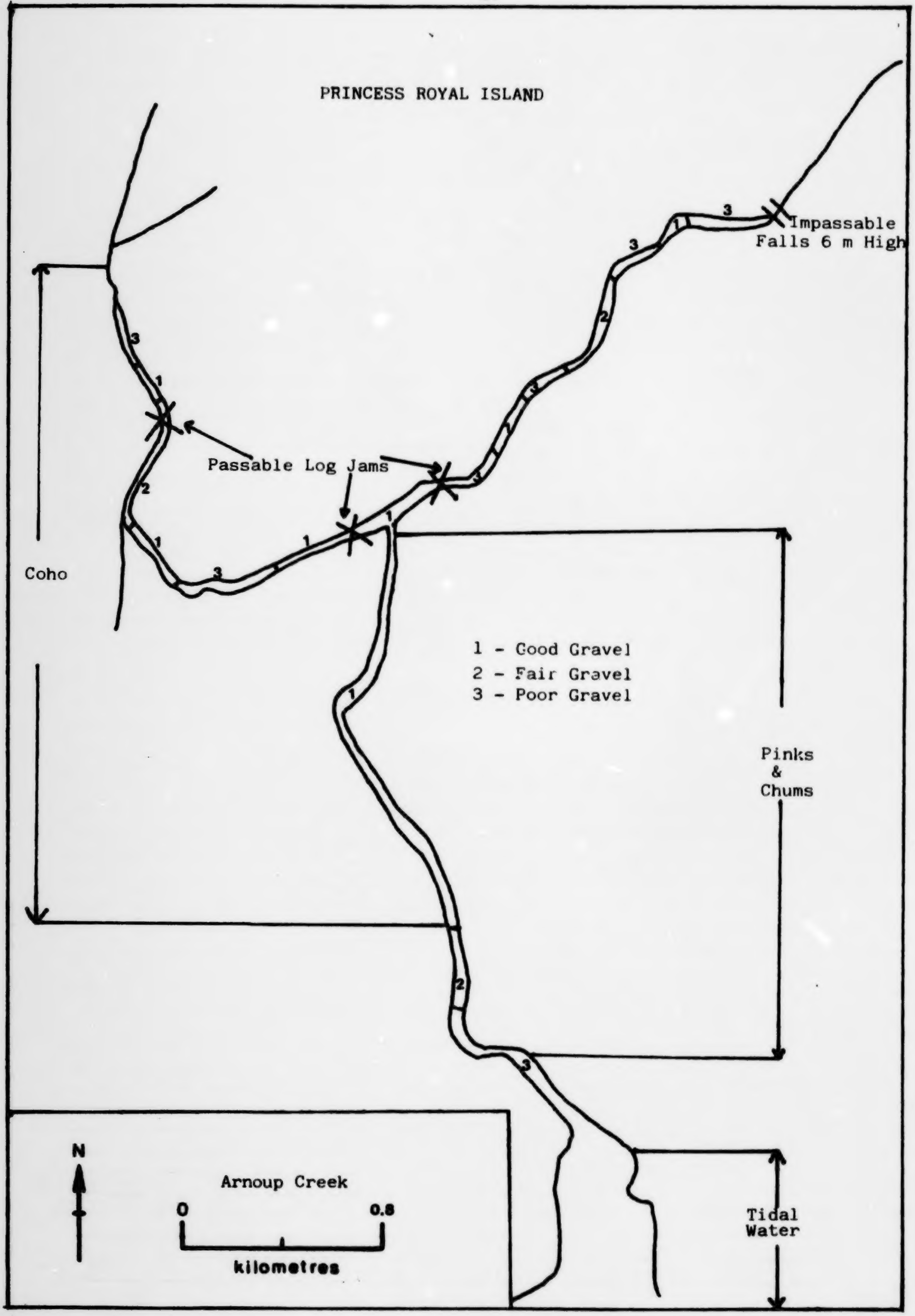
-1965. High water in October may have destroyed some spawn

-1972. Pinks experienced difficulty passing 1st falls when water was low

-1979. High water levels made assessment difficult

-1980. Suggested that the feasibility of reworking falls on left fork, to enable pinks to use the habitat beyond, be studied. December flood my have caused some scouring and erosion to the system

- Lightly and evenly spawned over available habitat
- Subject to low summer flows as well as fall and winter floods
- Some predation by bears, wolves, birds, and seals

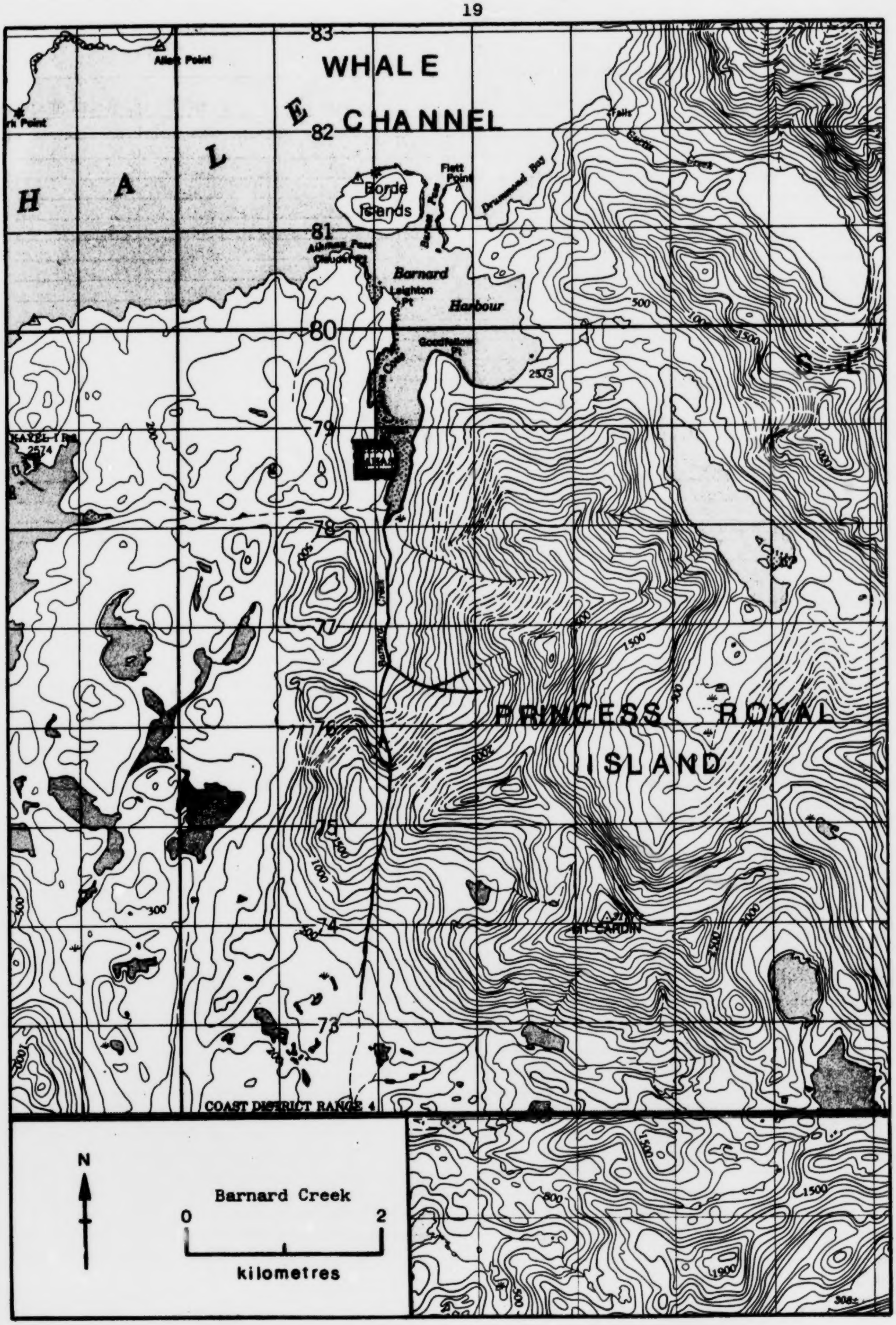

PRINCESS ROYAL ISLAND
Impassable Falls 6 m High
Passable Log Jams
Coho
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Pinks & Chums
Tidal Water
N
Arnoup Creek
0
0.8
kilometres
1
2
3

ESCAPEMENT RECORD FOR ARNOUP CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	7500	1500	
48			1500		3500	
49			75	200	1500	
50			400	3500	1500	
51			1650	1800	800	
52					1500	
53			200	750	200	
54			750	3500	3500	
55			25	25	200	
56			200	25	1500	
57			200	25	400	
58			200	7500	3500	
59			750	N/O	3500	
60	25		400	750	7500	
61			400	1500	7500	
62			1500	25	100000	
63			1500	25	35000	
64			N/O	7500	75000	
65			1500	200	35000	
66			N/O	100	6000	
67			25	200	N/O	
68			3500	N/O	15000	
69			100	700	8000	
70			200	750	15000	
71			400	750	3000	
72			400	750	40000	
73			400	5000	4000	
74			400	1000	3500	
75			250	3000	1500	
76			200	75	40000	
77			1100	8000	3000	
78			400	250	35000	
79			400	500	2000	
80	4		210	250	50000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			L. AUG	L. AUG	L. JULY	
START			M. SEPT	E. SEPT	M. AUG	
PEAK			OCT	M. SEPT	M. SEPT	
END			NOV	M. OCT	L. SEPT	

REMARKS


WHALE
CHANNEL
H A L E
Allen Point
Borde Islands
Flett Point
Drummond Bay
Barnard
Harbour
Leighton Pt
Goodfellow Pt
2573
2574
Barnard Creek
PRINCESS ROYAL
ISLAND
MT CARDIN
COAST DISTRICT RANGE 4
83
82
81
80
79
78
77
76
75
74
73
500
1000
1500
2000
300
200
N
Barnard Creek
0
2
kilometres

NAME OF STREAM BARNARD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW into Barnard Harbour, Princess Royal Is., Rge.4, Coast Dist.

POSITION 53°N 129°W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

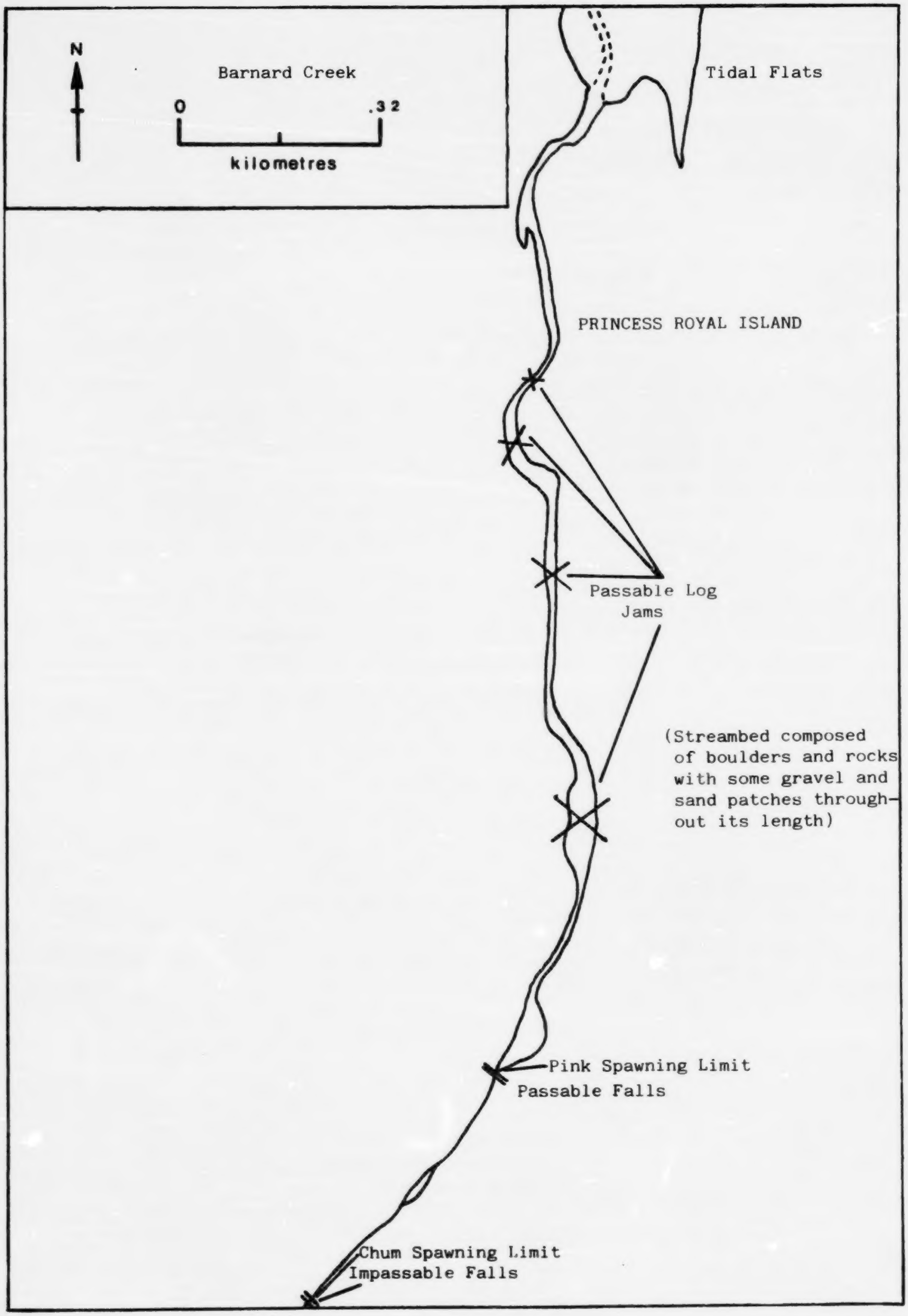
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- throughout
PINK (ODD YEAR)	- throughout
PINK (EVEN YEAR)	- throughout
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1956. Some crowding in lower reaches. A late run of spawners was observed at the end of September
- 1957, 1965, 1970, 1971. Low water levels delayed upstream migration until late September and resulted in some tidal spawning
- 1960 - 1962. Log jams 0.8 km upstream
- 1963. Log jams removed
- 1980. Some scouring and erosion caused by December flood
- Evenly spawned over available gravel beds
- Good potential
- Subject to fishing pressure off creek mouth
- Normal seasonal fluctuations in flows
- Normal predation by bears, birds, wolves, and seals


N
Barnard Creek
0
.32
kilometres
Tidal Flats
PRINCESS ROYAL ISLAND
Passable Log Jams
(Streambed composed of boulders and rocks with some gravel and sand patches throughout its length)
Pink Spawning Limit
Passable Falls
Chum Spawning Limit
Impassable Falls

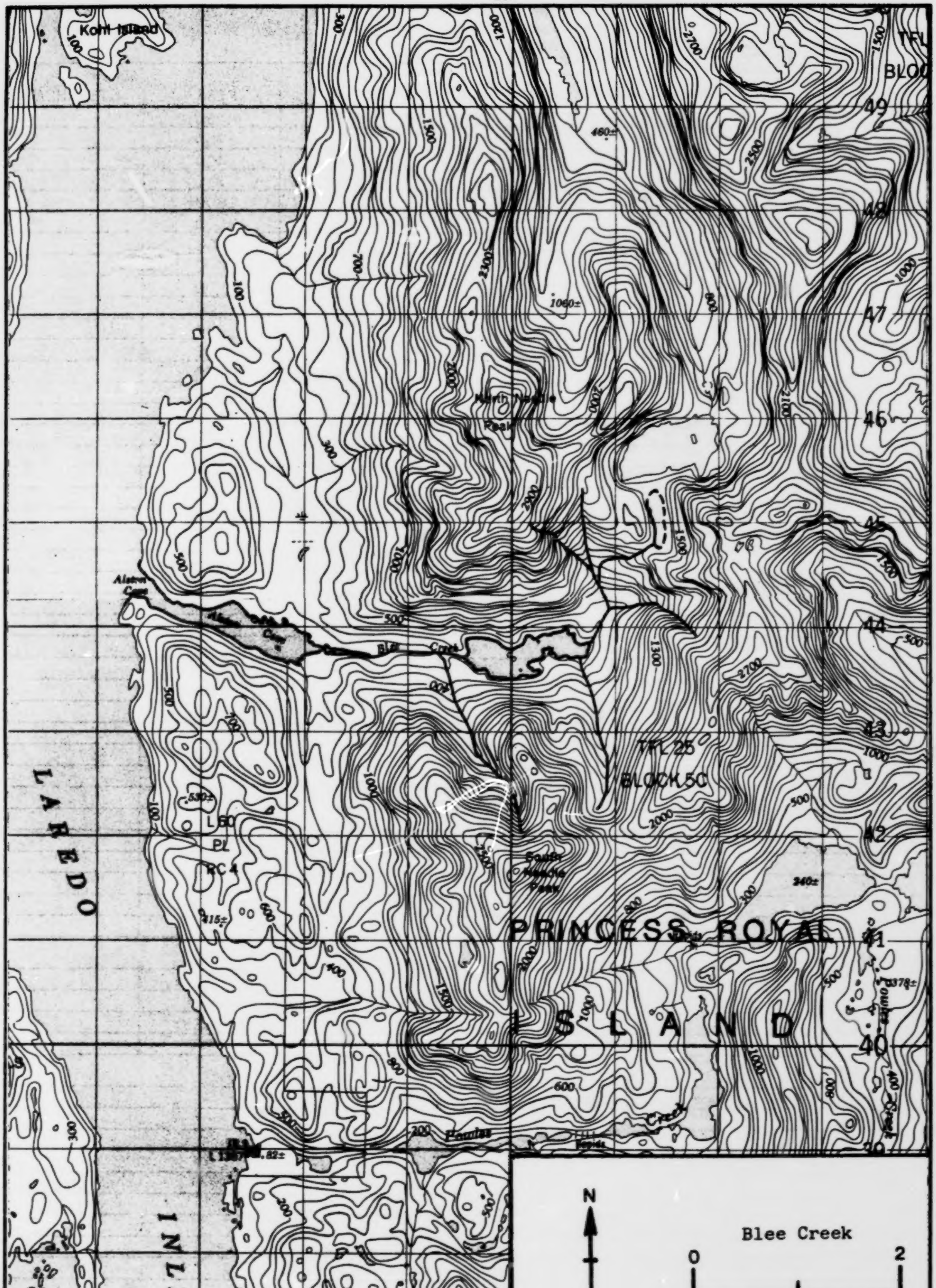
ESCAPEMENT RECORD FOR BARNARD CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	400	200	
48			200		750	
49			25	200	400	
50			25	750	750	
51			200	1000	1800	
52					7500	
53			25	750	400	
54			25	400	400	
55			75	200	3500	
56			400	750	15000	
57			400	3500	3500	
58			400	3500	3500	
59			25	75	25	
60			200	750	7500	
61			25	N/0	200	
62			750	750	35000	
63			25	75	750	
64			N/0	750	7500	
65			400	750	200	
66			N/0	3500	5000	
67			N/0	3500	400	
68			N/0	200	7500	
69			N/0	2000	5000	
70			N/0	1500	7500	
71			N/0	1000	7000	
72				100	5000	
73				75	500	
74			N/0	100	3000	
75			200	100	500	
76				20	800	
77			N/0	50	300	
78			25	25	10000	
79			N/0	60	10000	
80			N/0	N/0	5000	
81						
82						
83						
84						
85						

TIMING

ARRIVE				E. SEPT	E. SEPT	
START				E. SEPT	E. SEPT	
PEAK				M. SEPT	L. SEPT	
END				M. OCT	M. OCT	

REMARKS


Kohl Island
TFL
BLOCK
49
48
47
46
45
44
43
42
41
40
North Needle Peak
Alston Cove
Blee Creek
TFL 25
BLOCK 5C
L 60
PL
RC 4
South Needle Peak
LAREDO
INLET
PRINCESS ROYAL
ISLAND
Pauline
Creek
N
Blee Creek
0
2
kilometres

NAME OF STREAM BLEE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Alston Cove, Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH ______ m DRAINAGE ______ km²

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ m² SPAWNING AREA ______ m²

DISCHARGE (m³/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km
- Passable log jams 0.8 km upstream from mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1957. Chums sighted in the bay in mid October

-1958, 1959. Surveyed log jams and removed potential obstacles

-1960 - 1965. Pasable log jams sighted 0.8 - 1.6 km from mouth

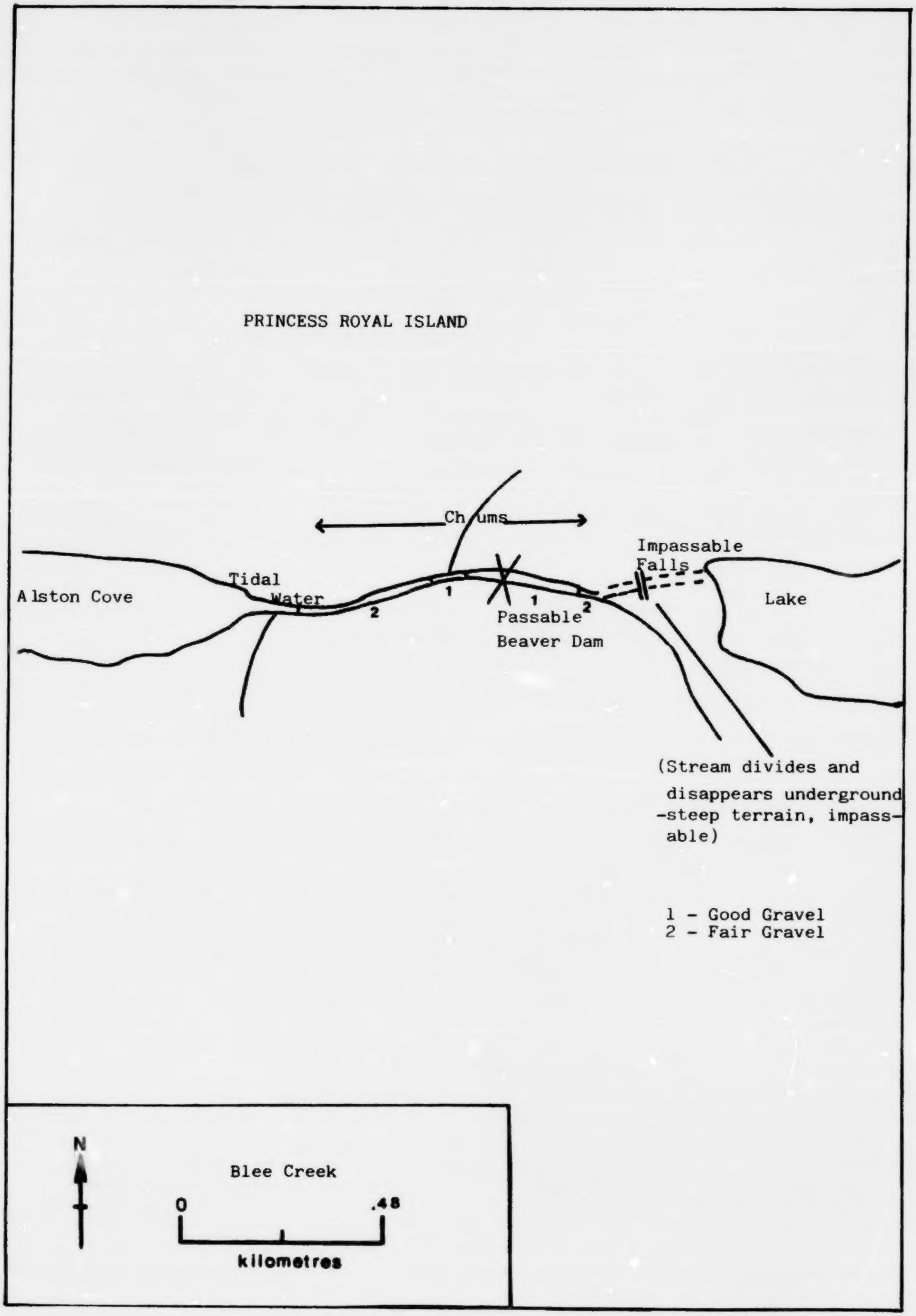
-1964. Early and late chum run recorded in creek

-1965. Tidal spawning by pinks

-1966. High water made counting difficult

-1971. Possibility for upwelling boxes

- Good spawning habitat
- Evenly scattered spawning in lower 2.4 km of stream
- Stream is fed by a lake through a subterranean creek
- Subject to normal seasonal fluctuations in water levels
- Predation by bears, wolves, eagles


PRINCESS ROYAL ISLAND
Chums
Impassable Falls
Tidal Water
Alston Cove
Lake
1
2
1
2
Passable Beaver Dam
(Stream divides and disappears underground -steep terrain, impassable)
1 - Good Gravel
2 - Fair Gravel
N
Blee Creek
0
.48
kilometres

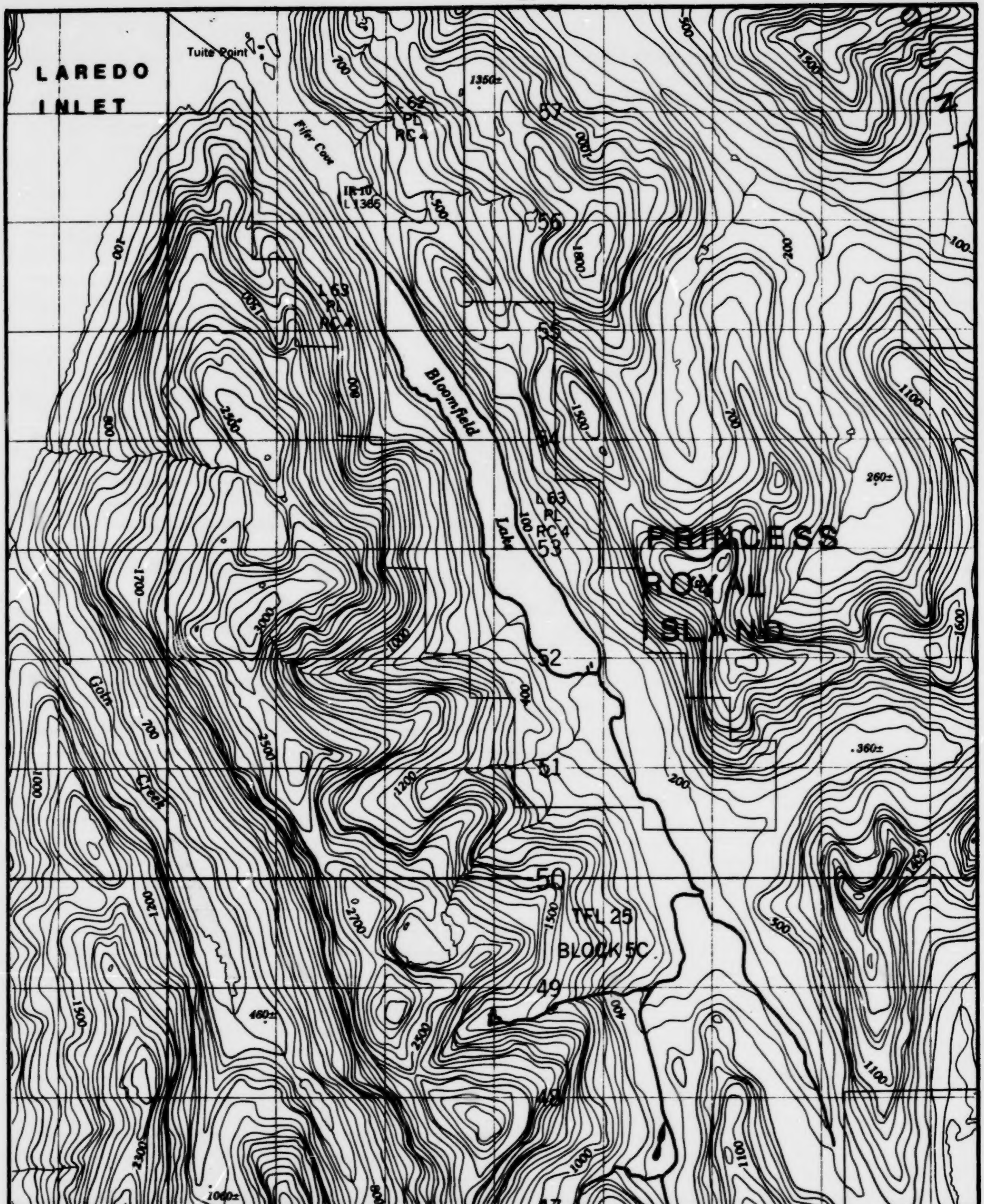
ESCAPEMENT RECORD FOR BLEE CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	400	25	
48			400		1500	
49			25	750	75	
50			25	400	200	
51			100	300	100	
52					400	
53			25	400	75	
54			200	750	400	
55			25	25	25	
56			25	200	400	
57			25	25	N/0	
58			N/0	750	750	
59			25	25	25	
60			25	400	750	
61			25	200	750	
62			25	1500	3500	
63			750	400	7500	
64			25	3500	75000	
65			200	200	3500	
66			N/0	N/0	N/0	
67			N/0	25	25	
68			750	N/0	N/0	
69			N/0	150	N/0	
70			N/0	400	1500	
71			200	200	200	
72				1500	1500	
73			200	2000		
74			50	250	75	
75			N/0	200	N/0	
76			N/0	N/0	4000	
77			75	700	700	
78			100	1000	1000	
79			100	1000	100	
80			10	175	300	
81						
82						
83						
84						
85						

TIMING

ARRIVE			E. SEPT	E. SEPT	E. SEPT	
START			L. SEPT	E. SEPT	E. SEPT	
PEAK			OCT	L. SEPT	L. SEPT	
END			NOV	E. OCT	E. OCT	

REMARKS


LAREDO
INLET
Tuite Point
Fifer Cove
L 62
PL
RC 4
TFL 10
L 1366
L 63
PL
RC 4
Bloomfield
Lake
PRINCESS
ROYAL
ISLAND
Goln
Creek
TFL 25
BLOCK 5C
1350±
260±
360±
460±
1060±
375±
245±
57
56
55
54
53
52
51
50
49
48
47
46
45
N
Bloomfield Creek
0
2
kilometres

NAME OF STREAM (Bloomfield Creek)

CONSERVATION DISTRICT 7 **STATISTICAL AREA** 6

LOCATION OF MOUTH Flows into NE. side of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 53°N 128°W

LENGTH 6.8 km **WIDTH** ___ m **DRAINAGE** ___ km^2

COMPOSITION: BEDROCK ___ **BOULDER** ___ **COARSE** ___ **FINE** ___

SILT & SAND ___ **UNCLASSIFIED** ___

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ___ m^2 **SPAWNING AREA** ___ m^2

DISCHARGE (m^3/s) ___

TEMPERATURE (°C) ___

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km

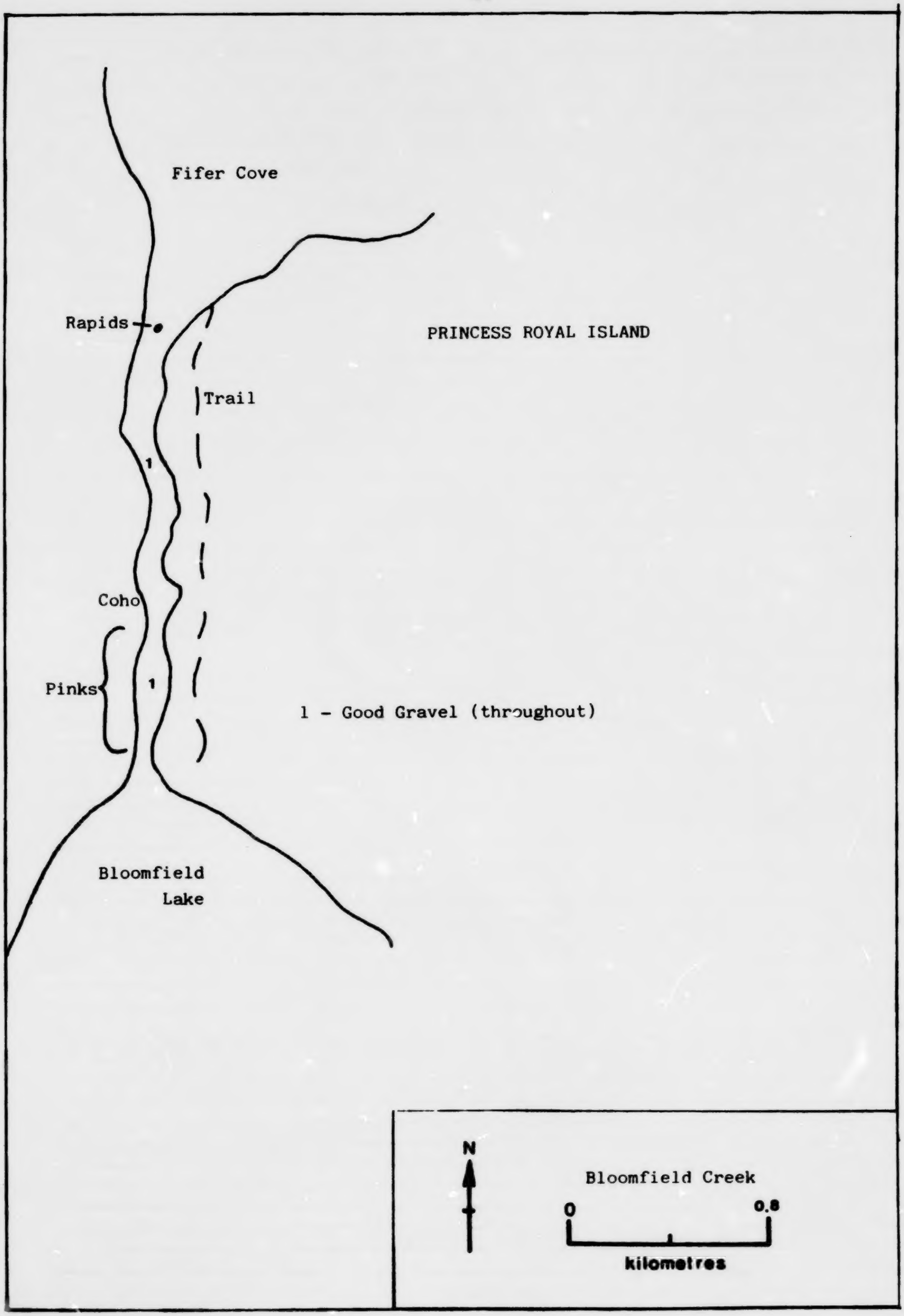
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- primarily in lake head creeks
CHINOOK	
COHO	- above lake
CHUM	- lake outlet
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Number of sockeye spawners increased. Late upstream chum migration
-1965. Low flows during upstream migration
-1967. Pink salmon were not observed, although 1965 returns were high
-1971. Good escapement of odd year pinks
-1974. Observation conditions poor
-1978. Flood in November
- Protected by Laredo Inlet boundary
- Good spawning gravel
- Clear water
- Subject to seasonal fluctuations in water levels
- Log debris cleared as required
- Predation by bears, wolves, birds, and seals


Fifer Cove
Rapids
PRINCESS ROYAL ISLAND
Trail
1
Coho
Pinks
1
1 - Good Gravel (throughout)
Bloomfield Lake
N
Bloomfield Creek
0
0.8
kilometres

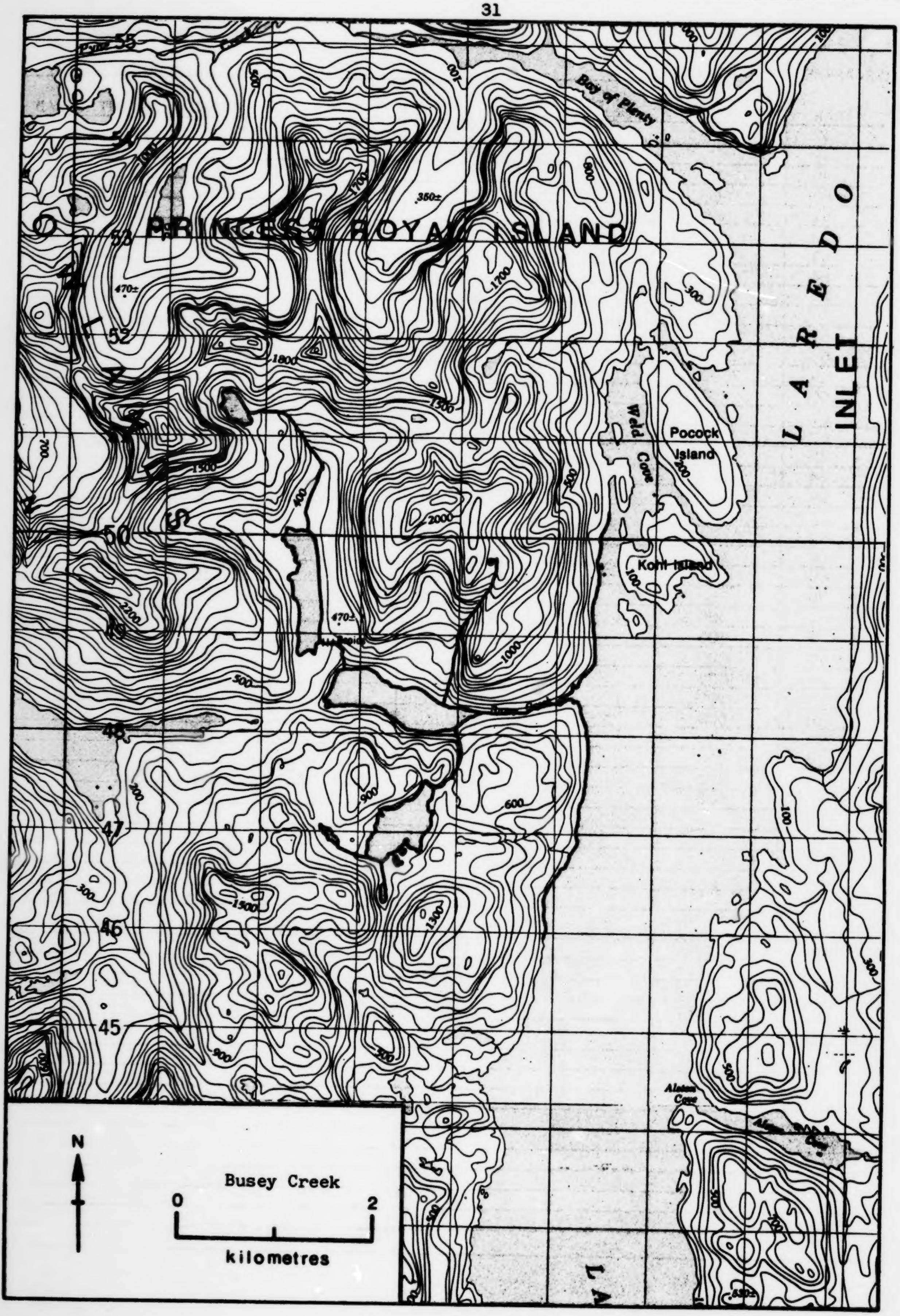
ESCAPEMENT RECORD FOR (Bloomfield Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	75		75	750	200	
48			200		7500	
49	1500		75	750	400	
50	1500		200	750	7500	
51	800		600	350	2800	
52					7500	
53	200		200	400	200	
54	750		400	1500	3500	
55	3500		200	75	1500	
56	750		200	75	3500	
57	1500		1500	25	25	
58	1500		25	750	3500	
59	3500		200	25	25	
60	750		25	25	3500	
61	400		1500	1500	3500	
62	25		N/O	400	7500	
63	75		N/O	400	400	
64	1500		200	1500	7500	
65	UNK		1500	1500	3500	
66	40		20	N/O	4000	
67	25		25	N/O	N/O	
68	200		3500	N/O	7500	
69	N/O		N/O	N/O	N/O	
70	750		N/O	75	3500	
71	400		N/O	25	1000	
72	300		400	200	15000	
73	500		200	500	200	
74	800		N/O	50	75	
75	2500		N/O	N/O	1200	
76	1500		700	N/O	6000	
77	4500		300	N/O	1800	
78	700		700	N/O	1000	
79	1500		400	100	200	
80	500		N/O	35	1000	
81						
82						
83						
84						
85						

TIMING

ARRIVE	JULY		AUG	L. AUG	M. AUG	
START	E. SEPT		E. SEPT	E. SEPT	E. SEPT	
PEAK	M. SEPT		L. SEPT	M. SEPT	M. SEPT	
END	L. SEPT		L. OCT	OCT	L. SEPT	

REMARKS


PRINCESS ROYAL ISLAND
LAREDO INLET
Bay of Plenty
Pocock Island
Weld Cove
Kohl Island
Alston Cove
55
53
52
50
49
48
47
46
45
1800
1700
1500
2000
2200
470±
350±
1000
1300
900
600
500
400
300
200
100
Busey Creek
N
0
2
kilometres

NAME OF STREAM BUSEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- to lake
CHINOOK	
COHO	- to lake
CHUM	- in creek
PINK (ODD YEAR)	- in creek
PINK (EVEN YEAR)	- in creek
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

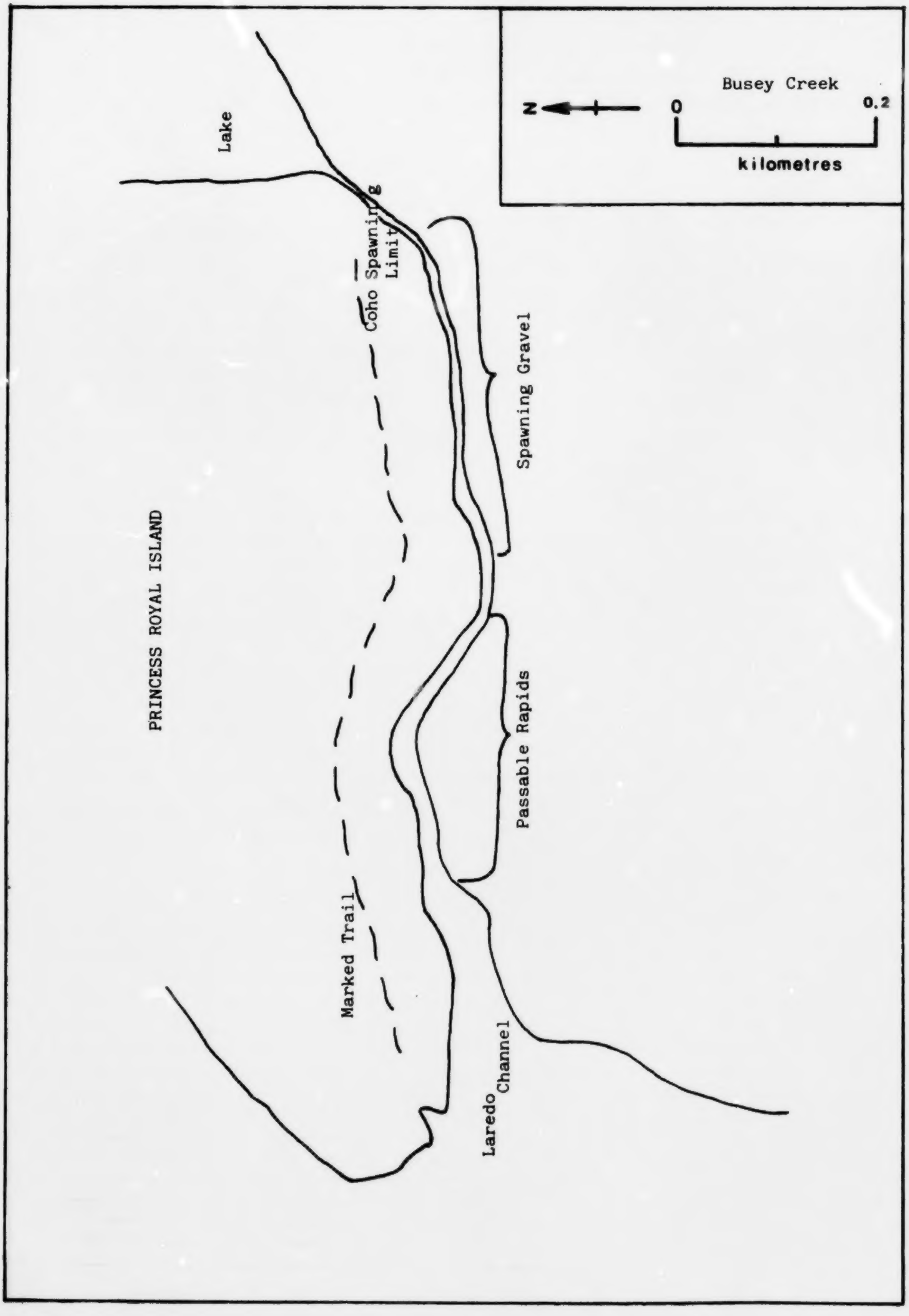
-1951. Log jam hampered upstream migration of sockeye and coho

-1957-1966. Log debris cleared as required

-1961. Water in lake was turbid at time of inspection

-1974. Very low flows in August. The October 15th flood was acccompanied by streambed scouring

- Very low productivity
- Limited spawning area
- Subject to seasonal fluctuations in water levels
- Slight predation by birds, bears, and wolves


Busey Creek
N
0
0.2
kilometres
Lake
Coho Spawning Limit
Spawning Gravel
Passable Rapids
PRINCESS ROYAL ISLAND
Marked Trail
Laredo Channel

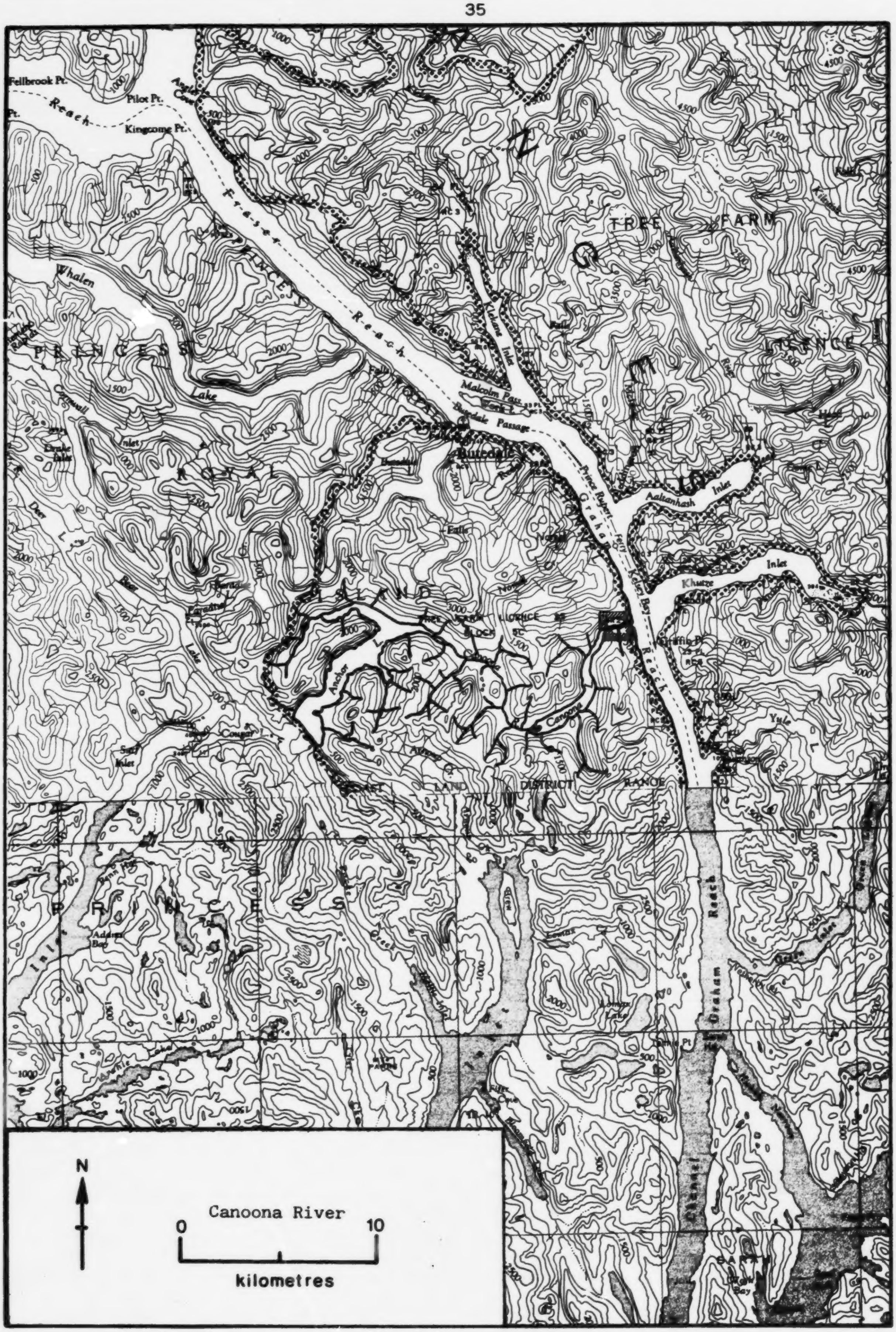
ESCAPEMENT RECORD FOR BUSEY CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	400		750	75	25	
48			750		750	
49	75		25	25	25	
50	400		400	25	400	
51	500		500	50	50	
52						
53	200		200	25	25	
54			200		750	
55	400		25	25	25	
56	400		400	200	750	
57	750		400	75	25	
58	N/O		25	400	N/O	
59	400		25	25	25	
60	400		400	400		
61	N/O		N/O	25	N/O	
62	N/O		N/O	N/O	3500	
63	N/O		N/O	N/O	1500	
64	400		25	750	3500	
65						
66	N/O		N/O	N/O	N/O	
67	N/O		N/O	N/O	N/O	
68	N/O		1500	N/O	N/O	
69	N/O		N/O	N/O	N/O	
70	N/O		N/O	25	N/O	
71	N/O		N/O	N/O	N/O	
72						
73						
74		NONE OBSERVED 1972-1978				
75						
76						
77						
78			75			
79	N/O		N/O	N/O	N/O	
80			NOT INSPECTED			
81						
82						
83						
84						
85						

TIMING:

ARRIVE						
START						
PEAK						
END						

REMARKS


Fellbrook Pt.
Pilot Pt.
Kingcome Pt.
Reach
Fraser Reach
PRINCESS ROYAL ISLAND
Whalen Lake
TREE FARM LICENCE
Malcolm Pass.
Work I.
Butedale Passage
Butedale
Aaltanhash Inlet
Khutze Inlet
Prince Rupert Ferry
Graham Reach
Anchor
Canoona
Cougar
Surf Inlet
LAND DISTRICT RANGE
Graham Reach
Channel
N
Canoona River
0
10
kilometres

NAME OF STREAM CANOONA RIVER (Indian River)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E. into Graham Reach, Princess Royal Is., Rge. 4, Coast Dist.

POSITION 53°N 128°W

LENGTH 8.0 km WIDTH ___ m DRAINAGE ___ km²

COMPOSITION: BEDROCK ___ BOULDER ___ COARSE ___ FINE ___

SILT & SAND ___ UNCLASSIFIED ___

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ___ m² SPAWNING AREA ___ m²

DISCHARGE (m³/s) ___

TEMPERATURE (°C) ___

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Historically, rock falls at mouth and 1.6 km upstream
- Presently, falls 3.2 km above Canoona Lake

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- from below falls at lake outlet through to Anchor Lake
CHINOOK	
COHO	- into Anchor Lake
CHUM	- to Anchor Lake
PINK (ODD YEAR)	- to Anchor Lake
PINK (EVEN YEAR)	- to Anchor Lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ___

GENERAL REMARKS

-1947-1955. Pinks and chums had difficulty ascending 1st falls during low water, prior to fishway construction

-1956. Fishway constructed on 1st falls at tidal water

-1957. Good spawning habitat reported above lake head

-1959. Fishway outlet defective and many pinks bypassed it, resulting in considerable losses of pink salmon

-1959-1961. Fishways completed to allow fish to utilize lake

-1961. Success of fish ladders evaluated

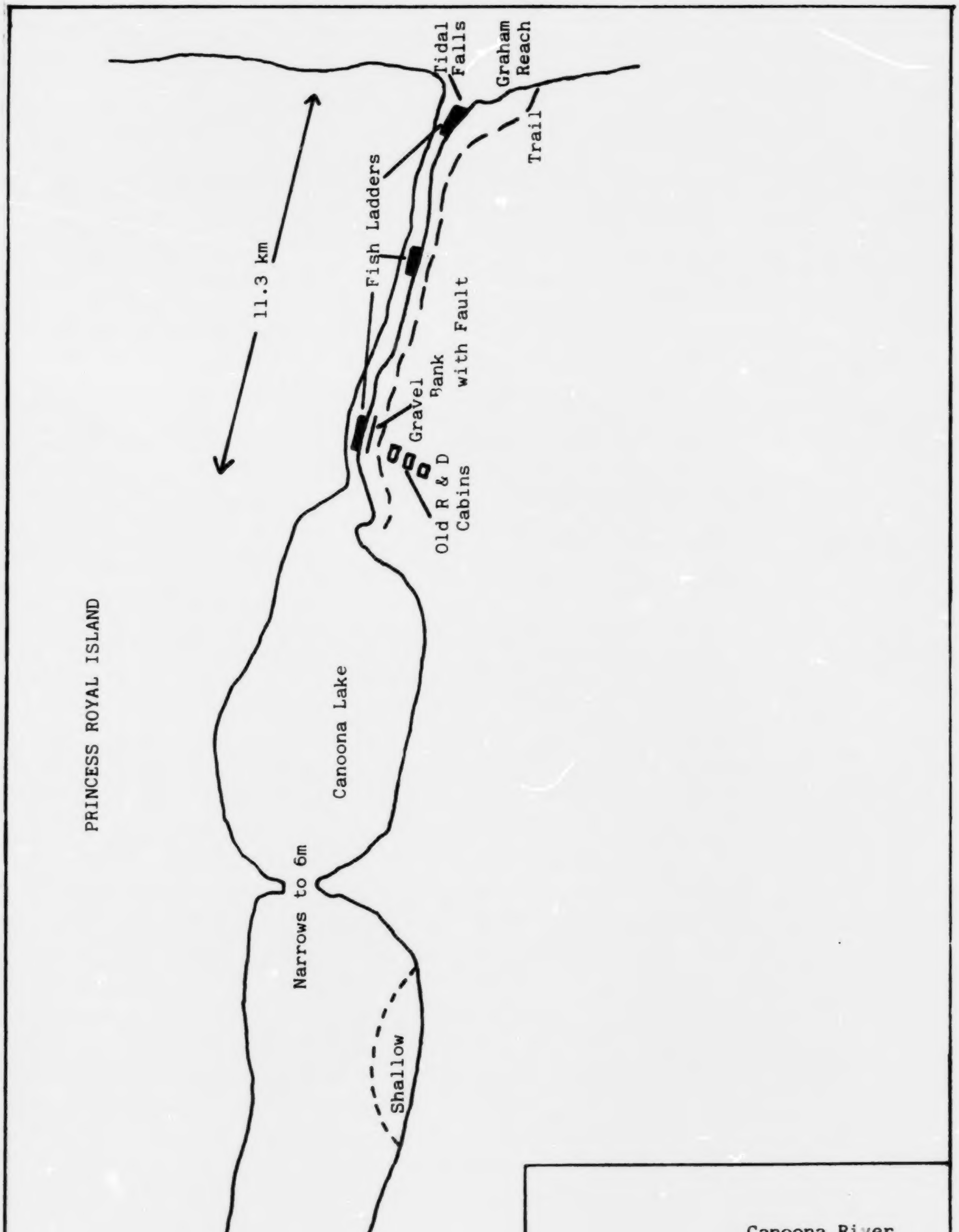
-1962. Upper fishways were rendered inoperable by a rock slide in mid October

-1963. Upper fish ladder repaired

1965. Available water had to be channelled into fishway so that fish could use it

GENERAL REMARKS (cont'd) - Canoona River

-1968, 1969, 1973. Patrolmen reported a faulted gravel bank which could slip at anytime and cover the upper fishway
-1973-1975. Logging occurred on Indian reserve
-1977. Coho positively identified in Anchor Lake
-1978, 1980. Floods likely caused some erosion to the system
-1980. Area above 1st lake was well utilized


Tidal Falls
Graham Reach
Trail
Fish Ladders
11.3 km
Gravel Bank with Fault
Old R & D Cabins
PRINCESS ROYAL ISLAND
Canoona Lake
Narrows to 6m
Shallow
Canoona River
Canoona River
N
0
6.4
kilometres

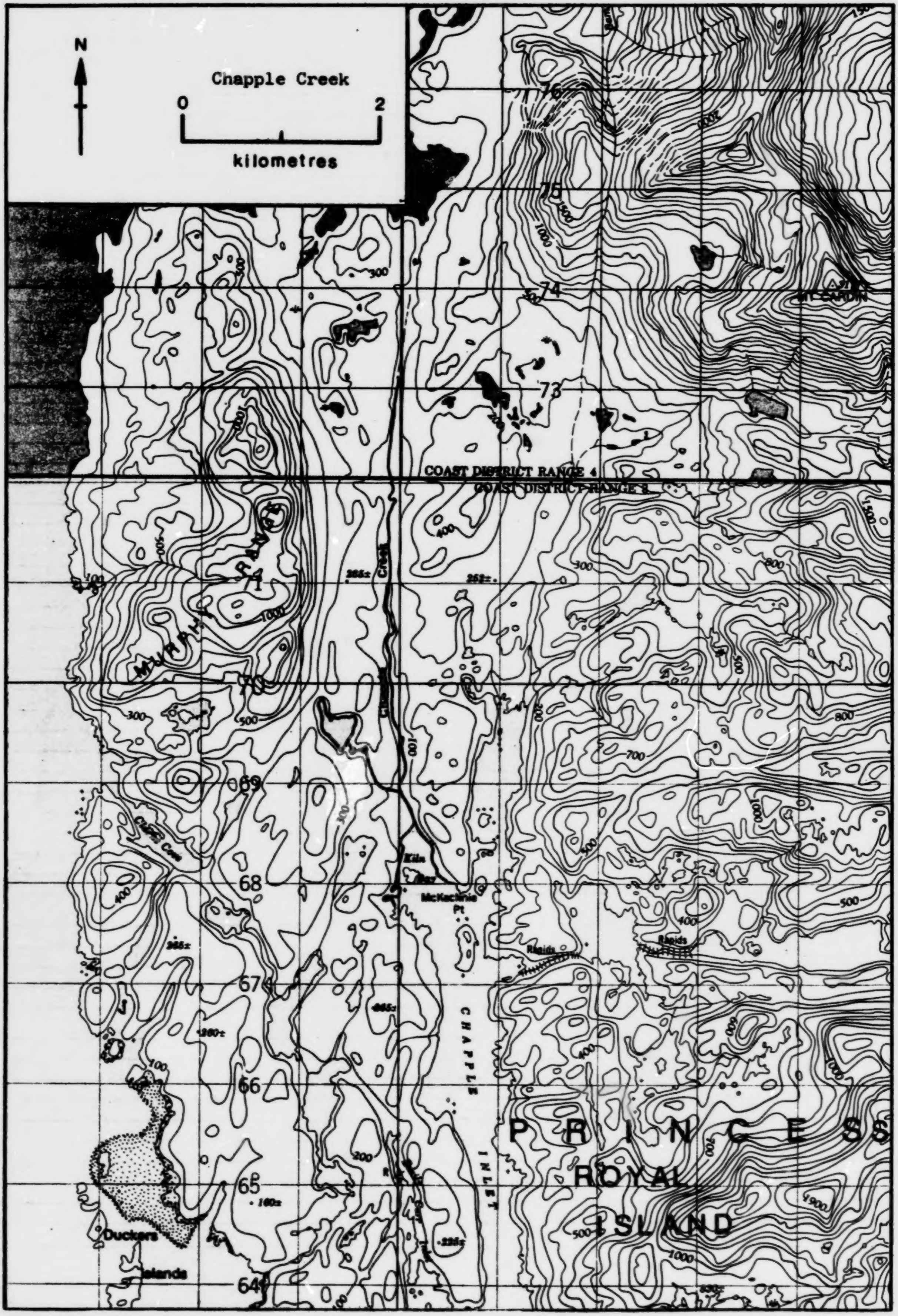
ESCAPEMENT RECORD FOR CANOONA RIVER (Indian River)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			15000	750	15000	
48			7500		750	
49	200		7500	400	35000	
50	75		3500	400	750	
51	100		6500	600	35000	
52					1500	
53	200		3500	400	35000	
54	N/O		1500	400	750	
55			1500	75	35000	
56			1500	400	750	
57			1500	N/O	15000	UNK
58			200	75		
59		25	400	N/O	35000	25
60					25	
61			3500	N/O	75000	200
62			1500	N/O	750	
63			3500		35000	
64			1500		750	25
65			3500	N/O	35000	
66	50		1200	N/O	3000	
67	3500		200	25	25	UNK
68	1500		1500	N/O	7500	
69	N/O		1000	500	10000	
70	N/O		750	200	1500	
71			1500	N/O	15000	
72			3500	N/O	8000	
73			1000	1000	15000	
74			2500	N/O	5500	
75	300		400	900	3000	
76	300		500		4000	
77	100		650	N/O	2500	
78	300		1000	N/O	3000	
79	500		2000	N/O	15000	
80	500		500	2	7500	
81						
82						
83						
84						
85						

TIMING

ARRIVE	E. JULY		E. AUG		E. AUG	
START	M. SEPT		L. SEPT		E. SEPT	
PEAK	L. SEPT		OCT		M. SEPT	
END	OCT		NOV		L. SEPT	

REMARKS


N
Chapple Creek
0
2
kilometres
76
75
74
73
COAST DISTRICT RANGE 4
COAST DISTRICT RANGE 5
MURPHY RANGE
71
70
69
68
67
66
65
64
Creek
Kiln Bay
McKechnie Pt
Rapids
CHAPPLE INLET
PRINCESS
ROYAL
ISLAND
Duckers Islands
MT GARDIN
300
400
500
700
800
1000
1500
100
200

NAME OF STREAM (Chapple Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Chapple Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 10.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout, upper reaches
CHUM	- throughout
PINK (ODD YEAR)	- throughout
PINK (EVEN YEAR)	- throughout
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought delayed upstream salmon migration until September 8th

-1952. Low summer flows

-1965. Extremely low summer flows

-1978, 1980. Flooding may have caused some scouring and erosion to system

-1979. High water hampered assessment

- Limited spawning potential
- Steep, rocky streambed makes upstream migration difficult under low flow regimes
- Gravel beds occur along the shores of this slow moving creek
- Passable log jams are common
- Some predation by bears, birds and wolves

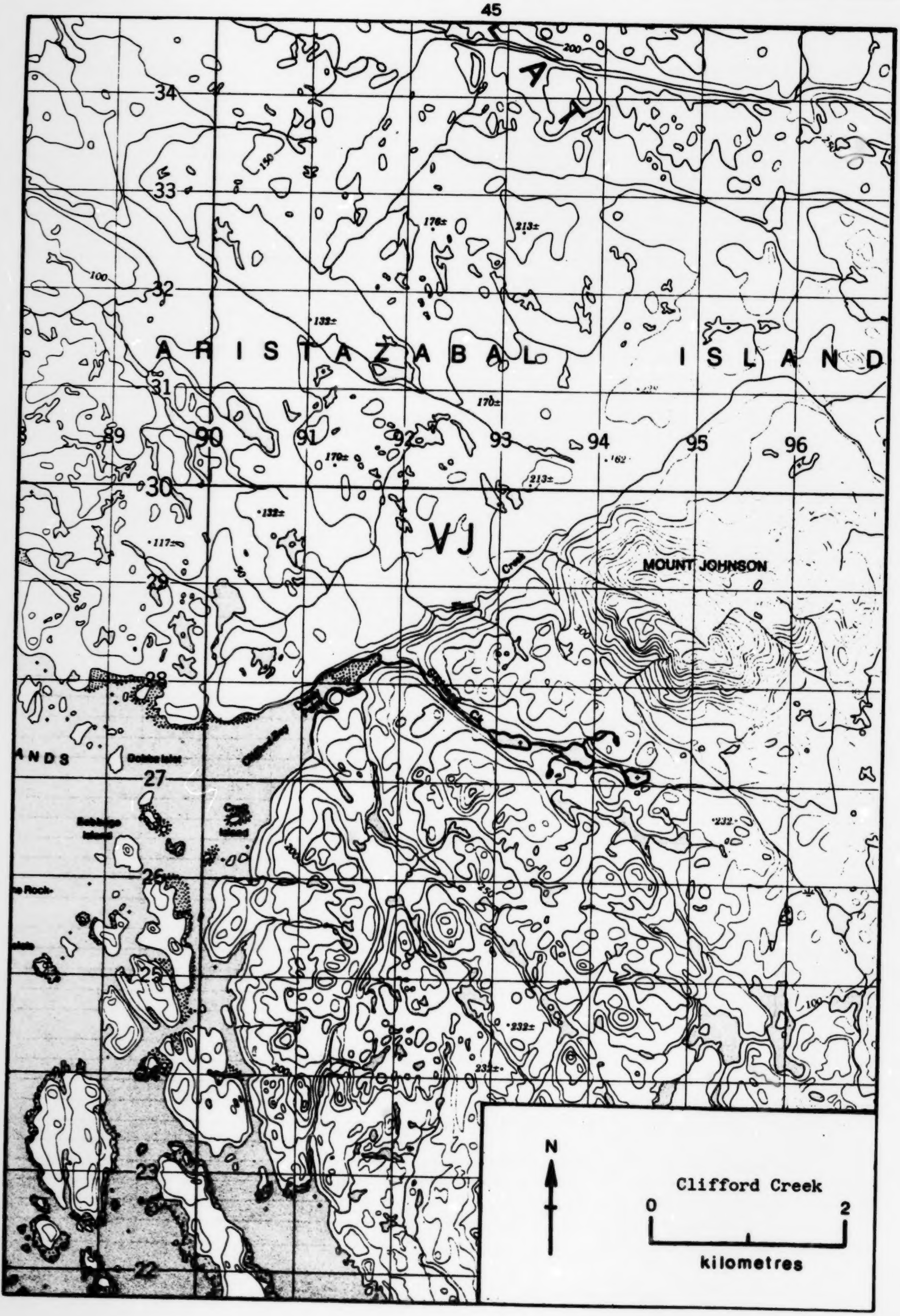
ESCAPEMENT RECORD FOR (Chapple Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	750	400	
48			750		1500	
49			4250	1900	1575	
50			75	400	200	
51			800	500	300	
52					3500	
53			75	200	75	
54			400	400	1500	
55			750	1500	1500	
56			3500	400	7500	
57			1500	750	400	
58			200	750	750	
59			200	25	400	
60			1500	1500	750	
61			750	75	400	
62			750	15000	750	
63			1500	75	750	
64			750	400	3500	
65			UNK	UNK	UNK	
66			N/O	1500	4000	
67			N/O	N/O	N/O	
68			N/O	N/O	N/O	
69			N/O		N/O	
70			75	N/O	1500	
71			N/O	N/O	750	
72			N/O	N/O	400	
73			N/O	50	150	
74			N/O	N/O	50	
75			N/O	N/O	50	
76					15000	
77			200	200	50	
78			N/O	N/O	15000	
79			N/O	25	5000	
80			N/O	N/O	5500	
81						
82						
83						
84						
85						

TIMING

ARRIVE					L. AUG	
START					M. SEPT	
PEAK					L. SEPT	
END					E. OCT	

REMARKS


ARISTAZABAL ISLAND
VJ
MOUNT JOHNSON
ANDS
Rock-
34
33
32
31
30
29
28
27
26
25
23
22
89
90
91
92
93
94
95
96
200
150
100
300
250
176±
213±
133±
170±
170±
213±
162
132±
117±
232
232±
232±
Creek
Ck
N
Clifford Creek
0
2
kilometres

NAME OF STREAM (Clifford Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Clifford Bay, Aristazabal Is., Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 1.2 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.0 km is passable to coho only

SPAWNING DISTRIBUTION

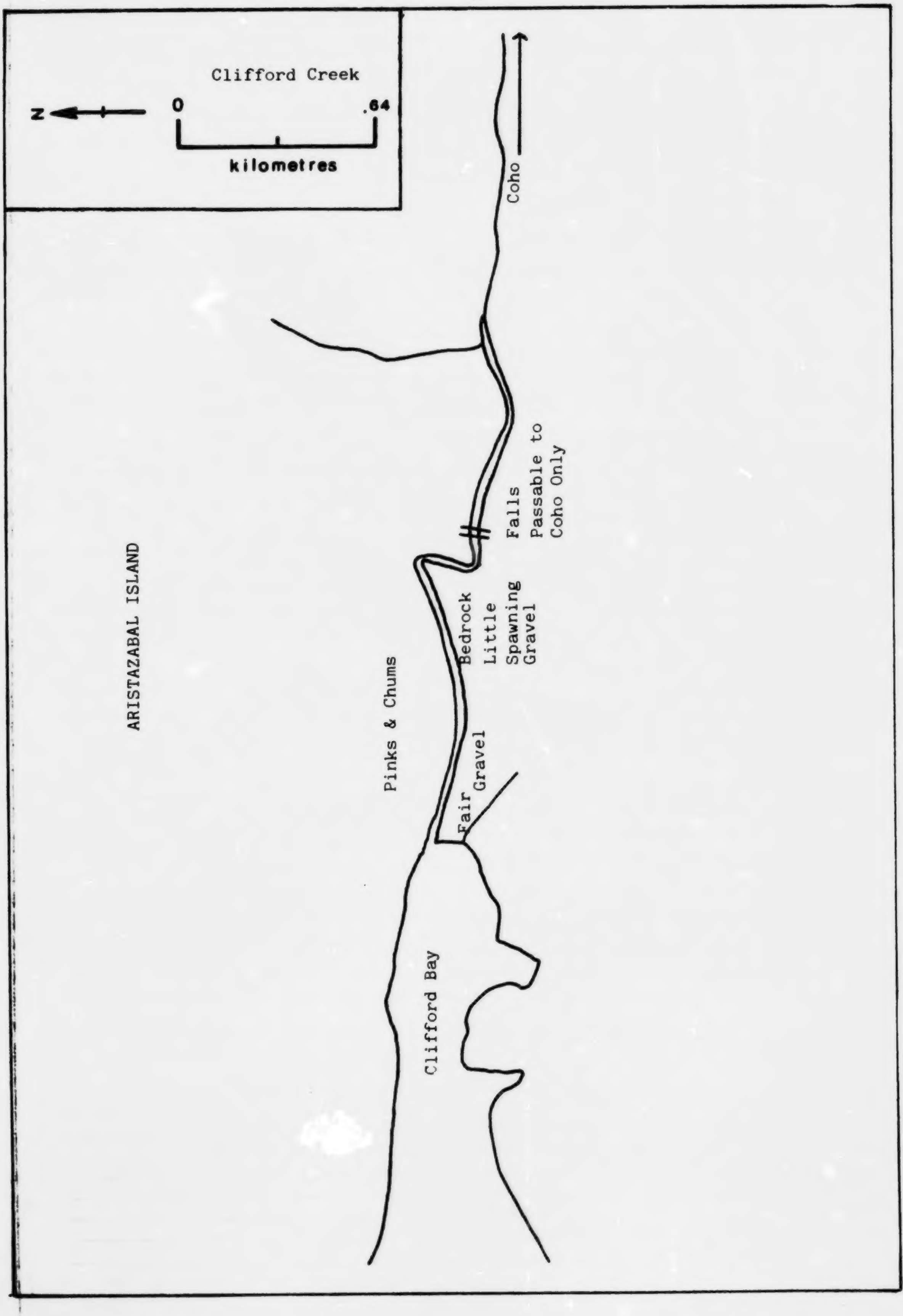
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- to 1.0 km
PINK (ODD YEAR)	- to 1.0 km
PINK (EVEN YEAR)	- to 1.0 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1964. Poor inspection conditions
-1965. Low summer flows
-1968. Removed minor log jam
-1968-1973. Surveyed falls located 1.0 km upstream from mouth
-1974. Determined that no further study was required at falls
-1978, 1980. Flooding may have caused scouring and erosion to system
-1979. Standardized creek name

- Subject to seasonal fluctuations in water levels
- Moderate predation by bears and eagles

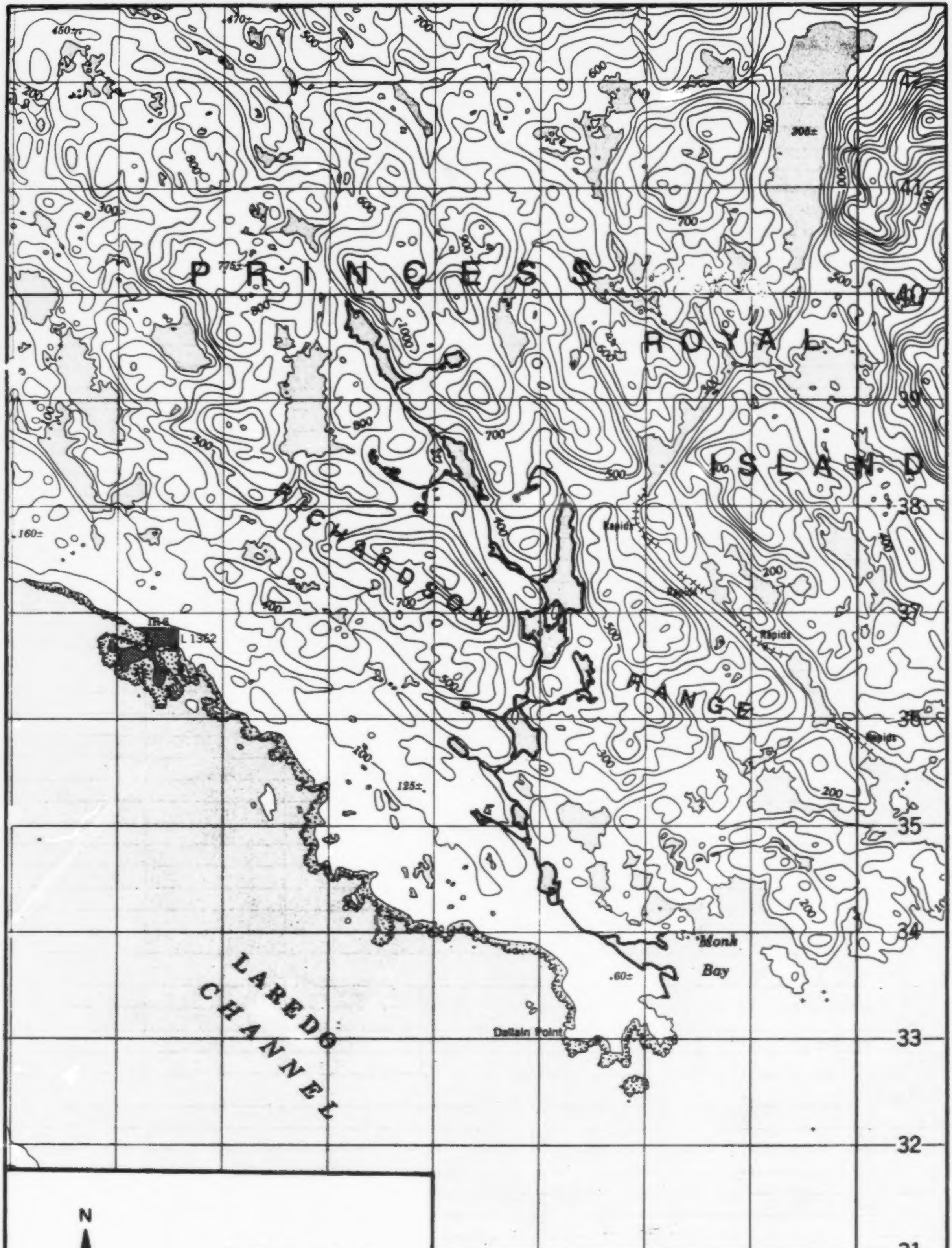

Clifford Creek
N
0
.64
kilometres
Coho
Falls
Passable to
Coho Only
Bedrock
Little
Spawning
Gravel
Fair
Gravel
Pinks & Chums
ARISTAZABAL ISLAND
Clifford Bay

ESCAPEMENT RECORD FOR (Clifford Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52						
53						
54		NO RECORD PRIOR TO 1960				
55						
56						
57						
58						
59						
60	750		750	400	200	
61	200		400	200	75	
62	N/0		750	1500	200	
63	400		750	200	N/0	
64	N/0		N/0	N/0	N/0	
65	UNK		UNK	UNK	UNK	
66			50	800	200	
67			400	750		
68			400	750	1500	
69			300	1250	N/0	
70			400	1500	200	
71			750	750	25	
72			1200	1100	200	
73			200	3000	N/0	
74			350	250	900	
75			850	800	60	
76			500	1200	1600	
77			150	1500	N/0	
78			N/0	1200	1000	
79			N/0	60	N/0	
80				N/0	N/0	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT	E. SEPT	E. SEPT	
START			SEPT	SEPT	M. SEPT	
PEAK			OCT	SEPT	SEPT	
END			NOV	OCT	OCT	

REMARKS


PRINCESS ROYAL ISLAND
RICHARDSON RANGE
LAREDO CHANNEL
Monk Bay
Dallain Point
Rapids
L 1362
775±
450±
470±
306±
160±
125±
60±
42
41
40
39
38
37
36
35
34
33
32
31
30
N
Dallain Creek
0
2
kilometres
WJ

NAME OF STREAM (Dallain Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Monk Bay, head of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.0 km WIDTH ___ m DRAINAGE ___ km²

COMPOSITION: BEDROCK ___ BOULDER ___ COARSE ___ FINE ___

SILT & SAND ___ UNCLASSIFIED ___

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ___ m² SPAWNING AREA ___ m²

DISCHARGE (m³/s) ___

TEMPERATURE (°C) ___

BARRIERS OR POINTS OF DIFFICULT ASCENT

Impassable falls at 2.5 km

SPAWNING DISTRIBUTION

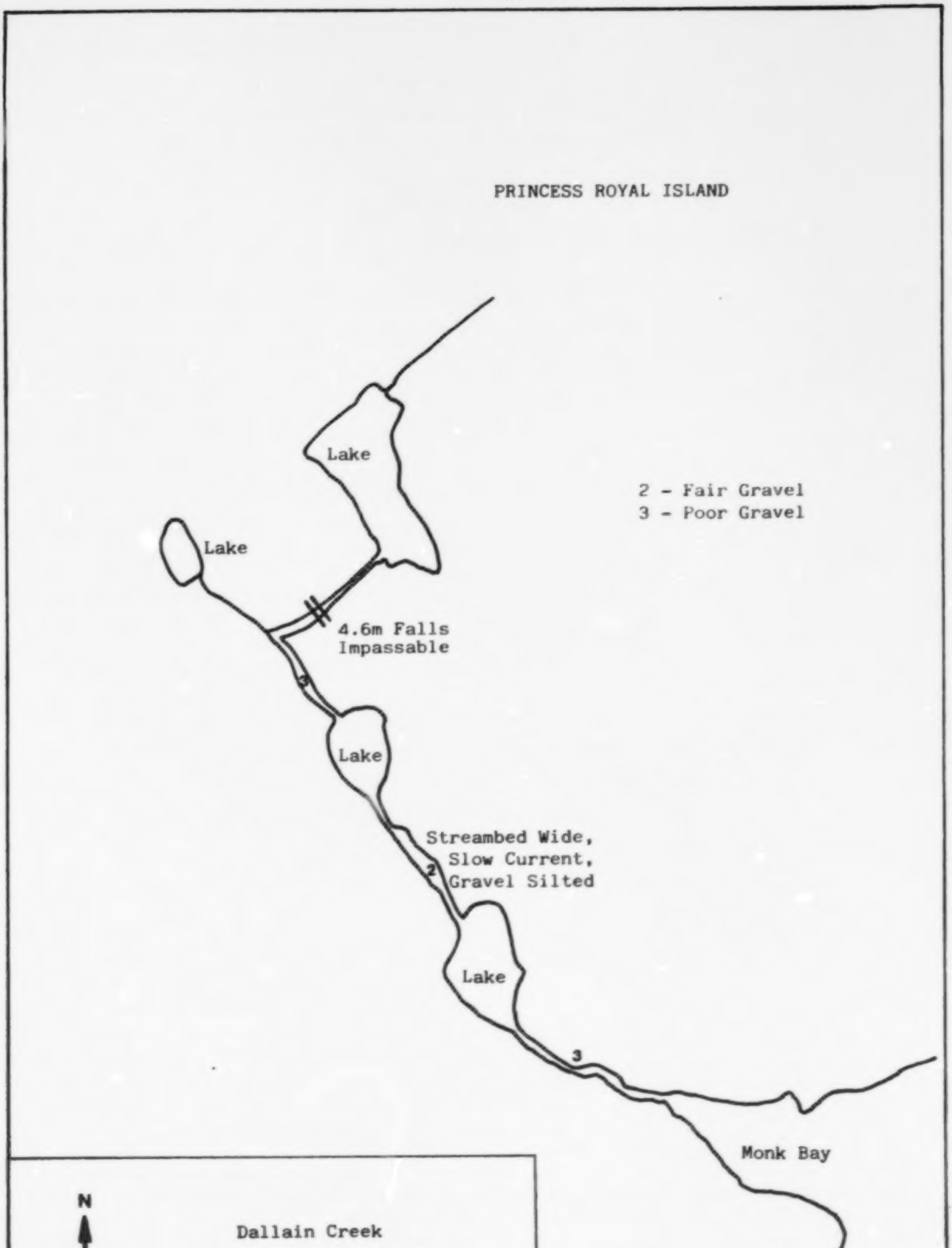
SPECIES	SECTION OF STREAM USED
SOCKEYE	- scattered throughout
CHINOOK	
COHO	- scattered throughout
CHUM	- scattered throughout
PINK (ODD YEAR)	- scattered throughout
PINK (EVEN YEAR)	- scattered throughout
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low summer flows
-1953-1955. High fall flows
-1965, 1966. Passable beaver dam observed 1.2 km upstream from mouth

- This stream has little potential as a salmon producer, no fish having been observed since 1974, and 1965 was the last major sighting prior to that
- Subject to variable water levels during the upstream migration period
- Light predation by bears and wolves

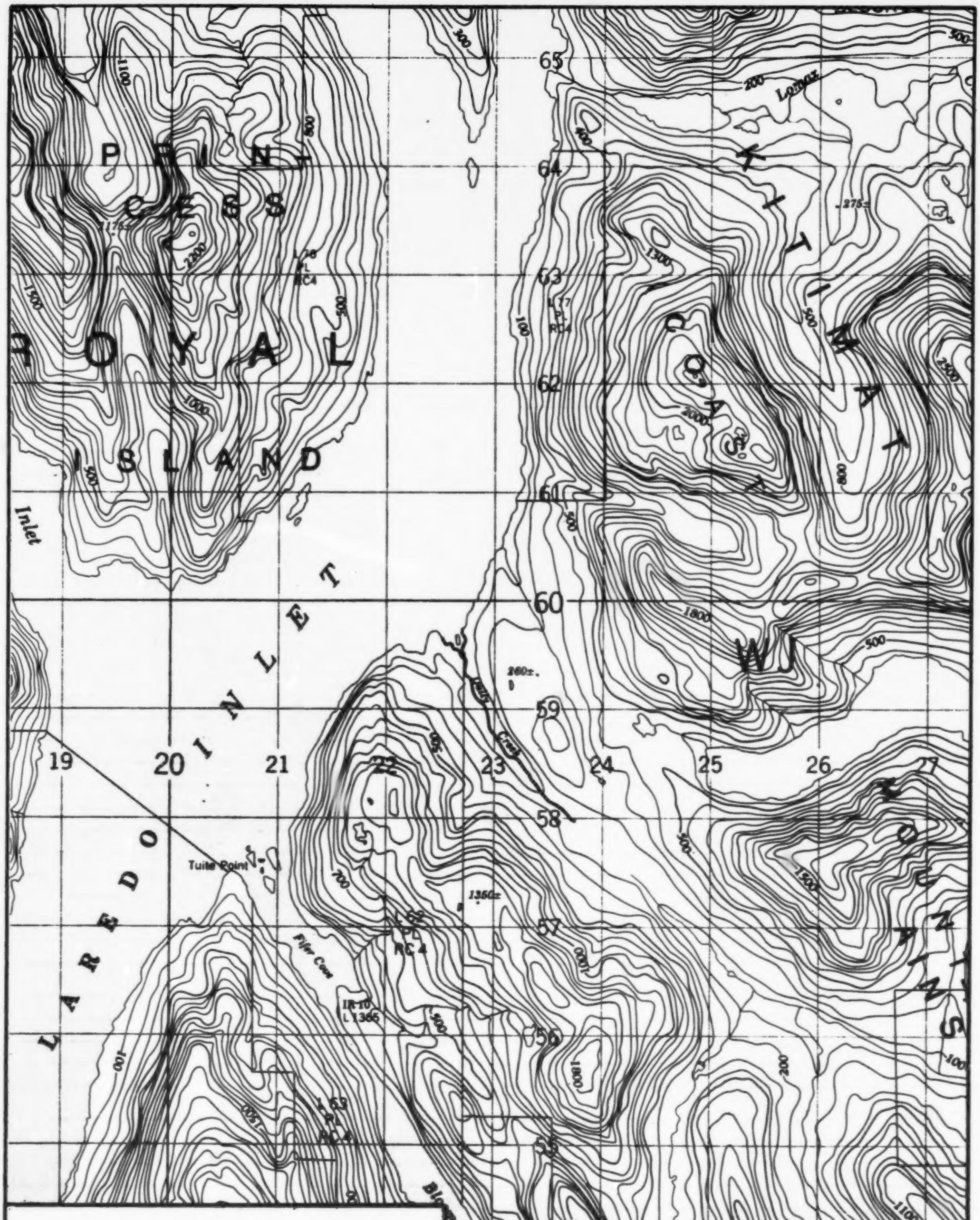

PRINCESS ROYAL ISLAND
Lake
Lake
2 - Fair Gravel
3 - Poor Gravel
4.6m Falls Impassable
3
Lake
Streambed Wide, Slow Current, Gravel Silted
2
Lake
3
Monk Bay
N
Dallain Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR (Dallain Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	1500		1500	750	400	
48			750		750	
49	750		400	200	75	
50	1500		750	200	400	
51	100		500	100	300	
52					1500	
53	400		400	200	400	
54	400		400	75	750	
55	75		75	25	75	
56	750		400	200	750	
57	400		400	400	N/0	
58	400		400	200	750	
59	25		200	25	25	
60	750		400	200	750	
61	N/0		400	N/0	N/0	
62	400		750	750	1500	
63	75		750	400	750	
64	75		400	N/0	1500	
65	UNK		750	750	1500	
66	UNK		UNK	UNK	UNK	
67	N/0		N/0	N/0	N/0	
68	N/0		N/0	N/0	N/0	
69	N/0		N/0	N/0	N/0	
70	N/0		N/0	N/0	75	
71	N/0		N/0	N/0	N/0	
72	N/0		N/0	N/0	N/0	
73	N/0		N/0	N/0	N/0	
74	50				200	
75	N/0		N/0	N/0	N/0	
76					N/0	
77			NOT INSPECTED			
78	N/0		N/0	N/0	N/0	
79	N/0		N/0	N/0	N/0	
80	N/0		N/0	N/0	N/0	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


PRINCESS ROYAL ISLAND
KITIMAT COAST MOUNTAINS
LAREDO INLET
Inlet
Tuite Point
Fifer Cove
Bloomfield Lake
Lomax
Creek
WJ
L 78 PL RC4
L 77 PL RC4
L 62 PL RC 4
IR 10 L 1366
L 63 PL RC4
L 63 PL RC4
1350±
260±
275±
260±
19
20
21
22
23
24
25
26
27
53
55
56
57
58
59
60
61
62
63
64
65
N
Dally Creek
0
2
kilometres

NAME OF STREAM DALLY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Laredo Inlet. Rge. 3. Coast Dist.

POSITION 52°N 128°W

LENGTH 4.8 km WIDTH _____ m DRAINAGE _____ km²

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA _____ m² SPAWNING AREA _____ m²

DISCHARGE (m³/s) _____

TEMPERATURE (°C) _____

BARRIERS OR POINTS OF DIFFICULT ASCENT _____

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to 3.2 km
CHUM	- to 3.2 km
PINK (ODD YEAR)	- to 3.2 km
PINK (EVEN YEAR)	- to 3.2 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM _____

GENERAL REMARKS

-1951. Low flows occurred in August and early September

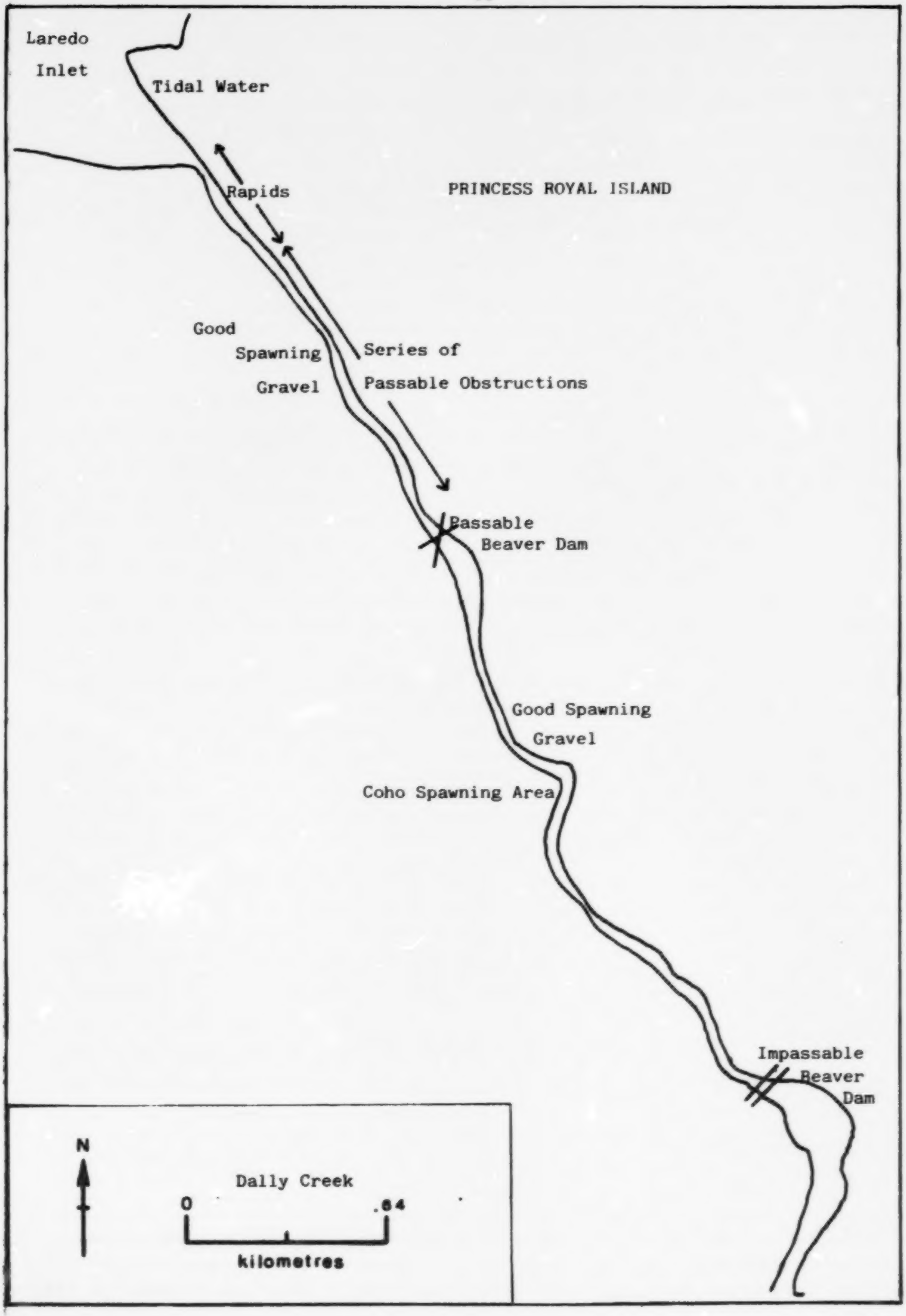
-1953. Recommended removal of log jams located 274 m to 3.2 km upstream from the mouth, to increase the upstream habitat available to coho, pink and chum runs regardless of water levels

-1957-1958. Stream cleared of log debris and reopened to fish

-1959. Log jams reappeared 0.4-3.2 km upstream from the mouth. The obstructions were passable so inspectors recommended seasonal monitoring of situation

-1960-present. Seasonal obstruction monitoring continued

- Considered to have little spawning potential
- The creek bed is generally steep and rocky, although fair spawning habitat exists in the upper reaches
- Subject to seasonal fluctuations in flows and predation by bears, wolves, and eagles

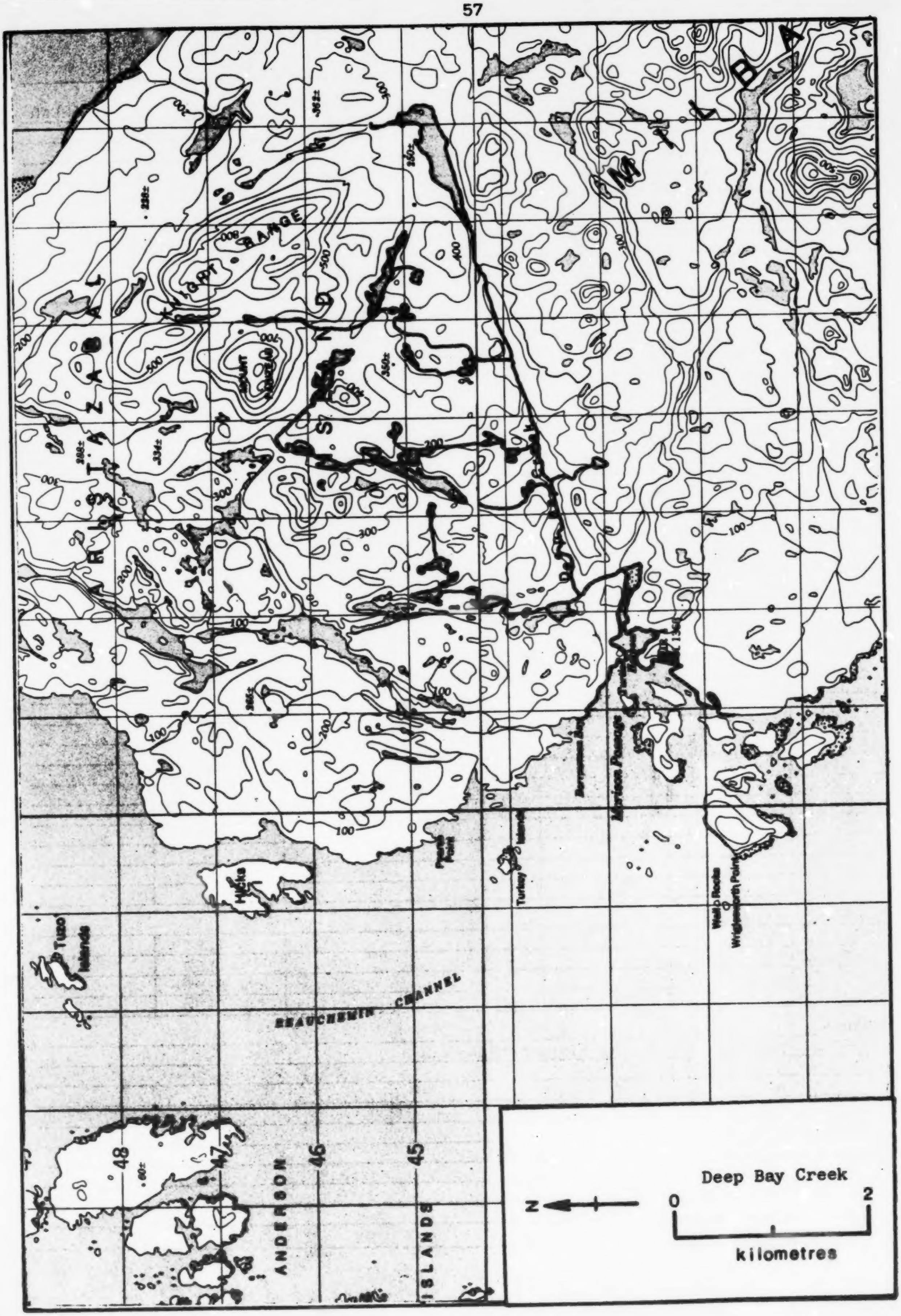

Laredo
Inlet
Tidal Water
Rapids
PRINCESS ROYAL ISLAND
Good
Spawning
Gravel
Series of
Passable Obstructions
Passable
Beaver Dam
Good Spawning
Gravel
Coho Spawning Area
Impassable
Beaver
Dam
N
Dally Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR DALLY CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	25	25	
48			25		400	
49			25	75	25	
50			25	25	25	
51			500	50	50	
52						
53			75	200	25	
54			750	200	75	
55			25	25	75	
56			75	200	75	
57			N/O	750	N/O	
58			N/O	400	75	
59			25	25	25	
60			25	25	25	
61			25	25	200	
62			200	75	7500	
63			200	200	750	
64			25	1500	3500	
65			N/O	N/O	N/O	
66			N/O	N/O	N/O	
67			25	25	N/O	
68			75	N/O	N/O	
69			N/O	N/O	50	
70			N/O	25	75	
71			N/O	N/O	25	
72					3500	
73			N/O	150	200	
74			50	50	50	
75					N/O	
76					N/O	
77			N/O	N/O	N/O	
78			N/O	N/O	N/O	
79			N/O	N/O	N/O	
80				3	25	
81						
82						
83						
84						
85						
TIMING						
ARRIVE					E. SEPT	
START					SEPT	
PEAK					SEPT	
END					L. SEPT	

REMARKS

- 1965. Creek was dry during migration period.


KNIGHT RANGE
ANDERSON
ISLANDS
BEAUCHEMIN CHANNEL
Tuzo Islands
Hicks
Turkey Islands
Morrison Passage
Wello Rocks
Wigglesworth Point
48
47
46
45
100
200
300
500
900
Deep Bay Creek
N
0
2
kilometres

NAME OF STREAM (Deep Bay Creek or Borrowman Creek)

CONSERVATION DISTRICT 7 **STATISTICAL AREA** 6

LOCATION OF MOUTH Flows into Borrowman Bay, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 12.8 **km** **WIDTH** **m** **DRAINAGE** **km²**

COMPOSITION: BEDROCK **BOULDER** **COARSE** **FINE**

SILT & SAND **UNCLASSIFIED**

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA **m²** **SPAWNING AREA** **m²**

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and above lake
CHINOOK	
COHO	- throughout
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

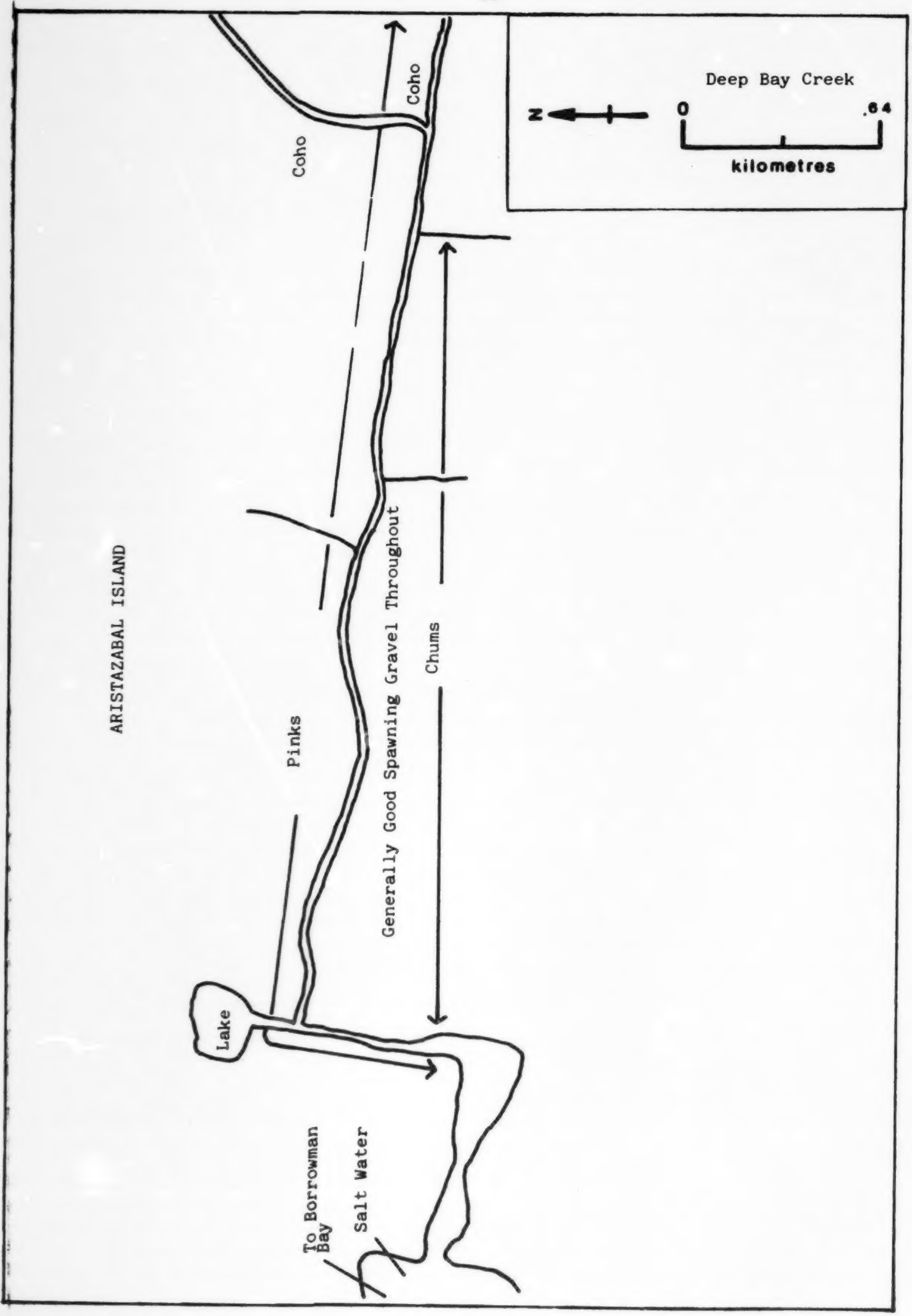
-1968. Some dislodging of previously deposited spawn in areas where pink and chum spawning grounds overlap

-1969. Spawning continued into mid October

-1971. Limited fishing of the west coast of Aristazabal Is. increased the spawning escapement

-1978, 1980. Flooding may have caused some scouring and erosion to system

- One of Aristazabal Island's best coho and pink producing streams
- Creek bed is rocky and steep
- Subject to seasonal fluctuations in water flows
- Light predation by bears, birds, wolves, and otters


Deep Bay Creek
N
0
.64
kilometres
ARISTAZABAL ISLAND
Coho
Coho
Pinks
Generally Good Spawning Gravel Throughout
Chums
Lake
To Borrowman Bay
Salt Water

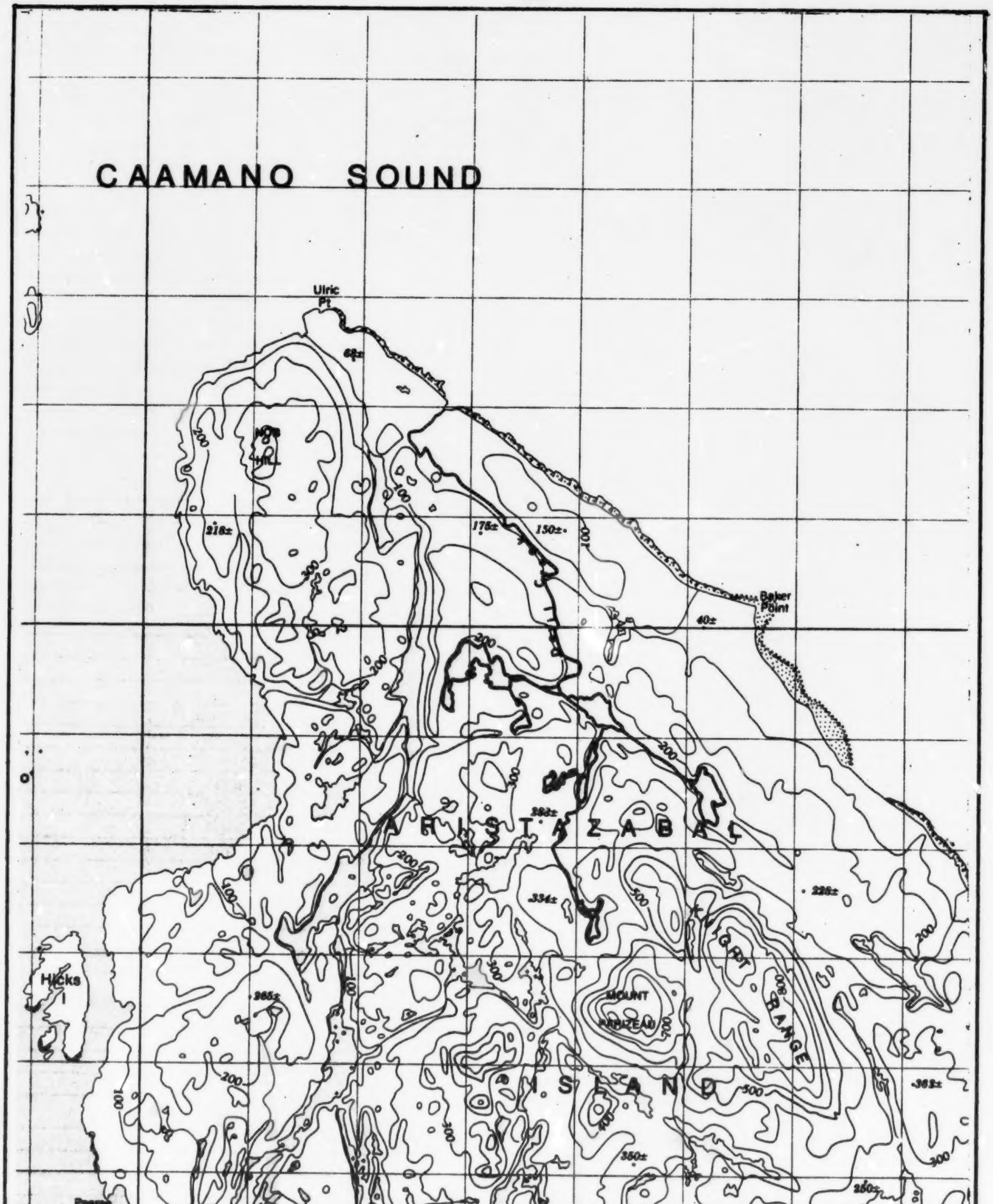
ESCAPEMENT RECORD FOR ______________ (Deep Bay or Borrowman Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	1500		1500	750	75	
48			400		25	
49	200		400	75	25	
50	750		1500	75	25	
51	400		800	500	50	
52					75	
53	750		200	200	25	
54	750		1500	1500	400	
55	750		3500	25	400	
56	400		750	200	750	
57	750		400	750	400	
58	400		750	750	200	
59	200		400	N/O	200	
60	750		750	200	75	
61	400		750	75	200	
62	400		750	200	750	
63	200		1500	N/O	200	
64	75		750	N/O	25	
65			NOT	INSPECTED		
66	N/O		75	650	40000	
67			400	75	400	
68	N/O		1500	3500	35000	
69	300		200	700	11000	
70	400		400	750	35000	
71	400		750	200	20000	
72	600		1400	25	18000	
73	4000		300	1000	6000	
74	1200		500	300	10000	
75	450		700	300	9000	
76	1400		600	325	41000	
77	500		250	100	4000	
78	900		300	500	9000	
79	750		400	250	9000	
80	500		500	1000	10000	
81						
82						
83						
84						
85						

TIMING

ARRIVE	L. JULY		E. SEPT	E. SEPT	E. SEPT	
START	M. SEPT		L. SEPT	E. SEPT	E. SEPT	
PEAK	L. SEPT		OCT	L. SEPT	M. SEPT	
END	M. OCT		NOV	OCT	E. OCT	

REMARKS


CAAMANO SOUND
Ulric Pt
68±
NOB HILL
200
218±
100
178±
150±
Baker Point
40±
ARISTAZABAL
ISLAND
283±
334±
500
228±
Hicks I
365±
MOUNT PARIZEAU
RANGE
382±
300
400
350±
250±
Pearse Point
N
Devil Creek
0
2
kilometres

NAME OF STREAM (Devil Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°15'W

LENGTH 2.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 275 m

SPAWNING DISTRIBUTION

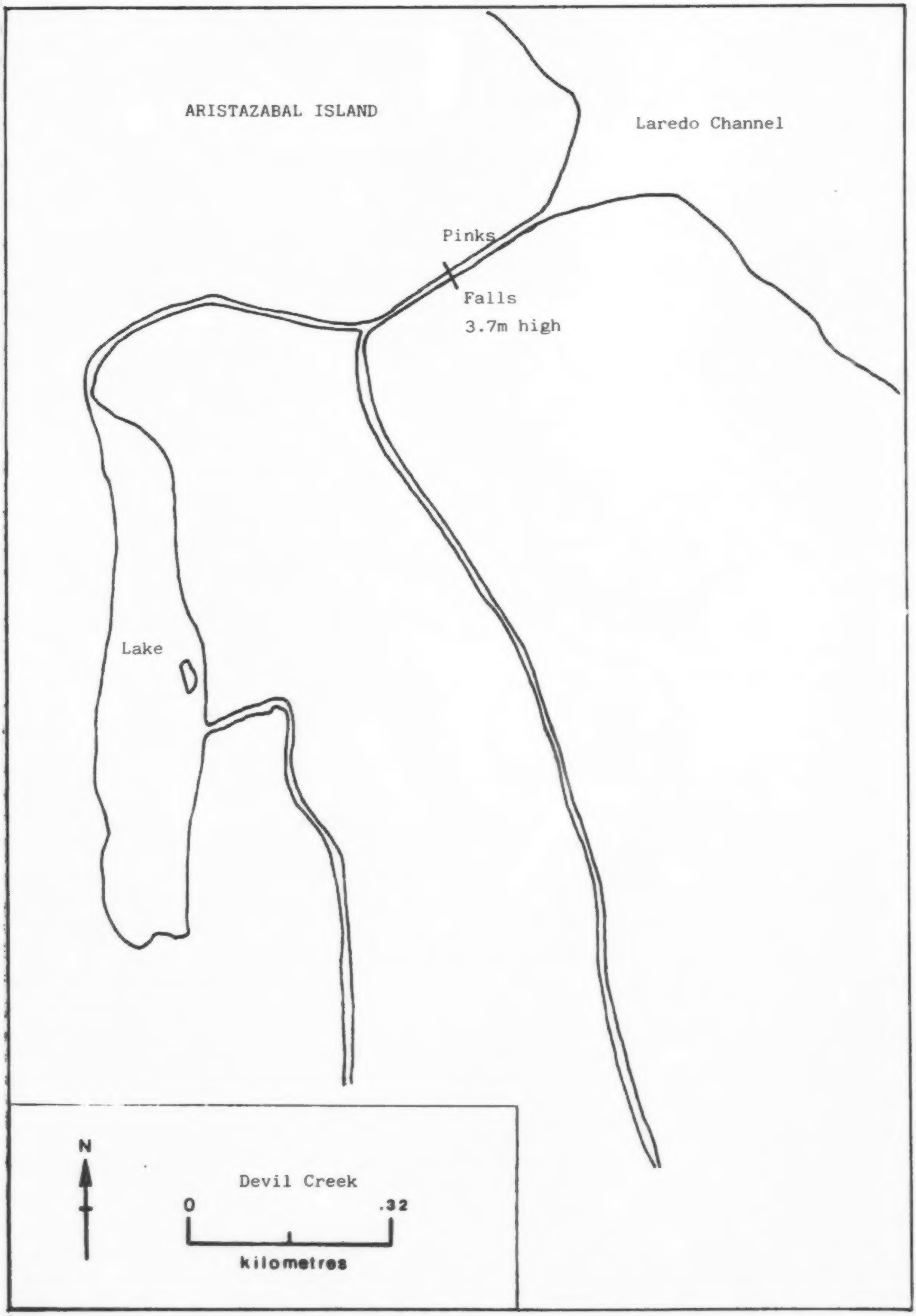
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to lake
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1978. November 1st flood may have caused some scouring of streambed

- A poor salmon producer
- Drains numerous small streams
- Subject to seasonal fluctuations in flow regime
- Streambed mostly bedrock
- Light predation


ARISTAZABAL ISLAND
Laredo Channel
Pinks
Falls
3.7m high
Lake
N
Devil Creek
0
.32
kilometres

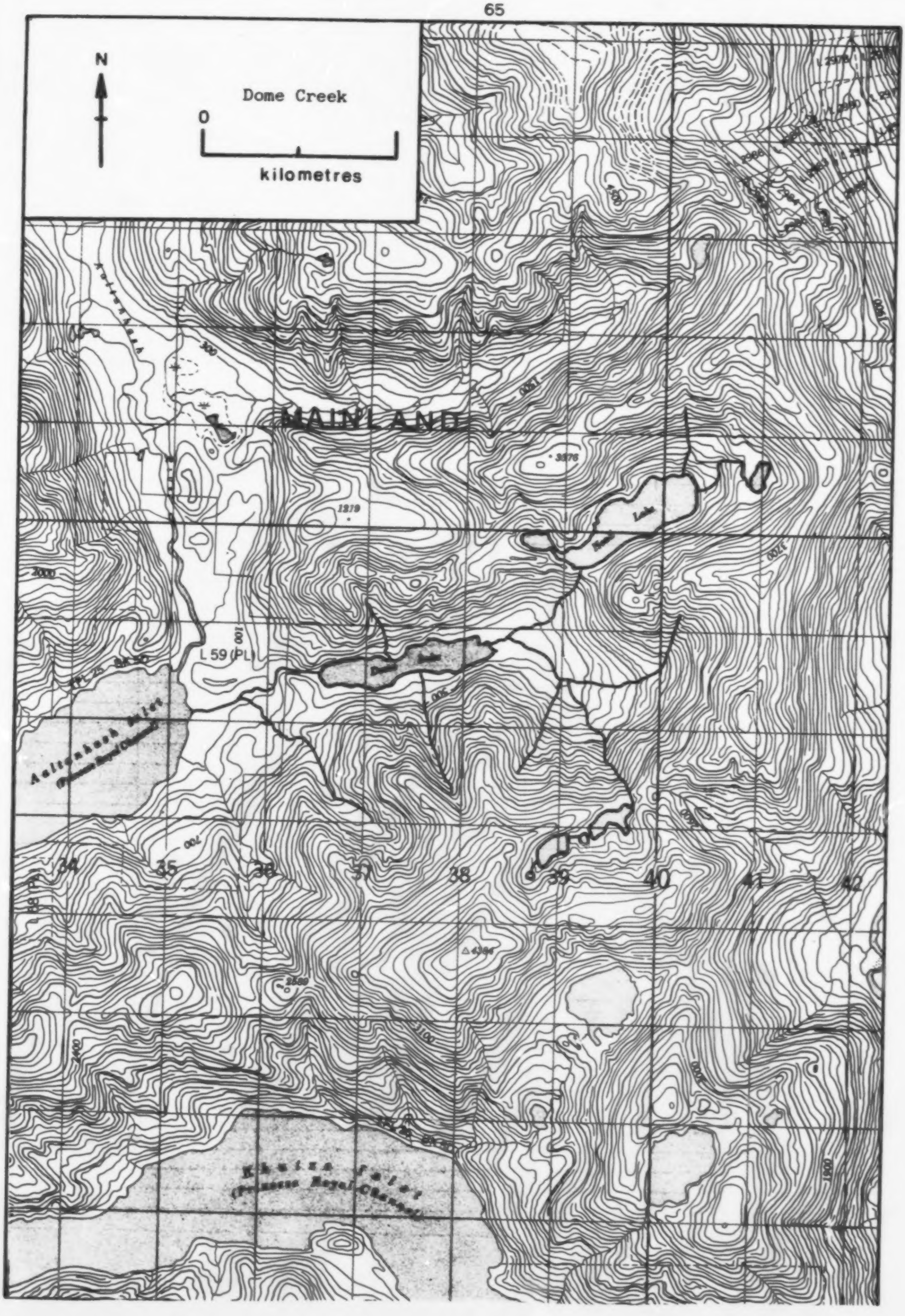
ESCAPEMENT RECORD FOR (Devil Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	75	25	
48			25		25	
49			25	75	75	
50			25	25	25	
51			50	100	50	
52					200	
53			25	200	75	
54			200	400	1500	
55			75	200	75	
56			400	200	750	
57			200	750	200	
58			200	400	200	
59			200	25	200	
60			25	200	75	
61			25	25	200	
62			200	200	750	
63			N/O	25	400	
64			25	75	N/O	
65			NOT INSPECTED			
66			N/O	N/O	N/O	
67			200	75	N/O	
68			N/O	25	1500	
69			N/O	30	300	
70			25	25	1500	
71			N/O	N/O	N/O	
72			N/O	N/O	1100	
73			N/O	N/O	40	
74			N/O	N/O	1000	
75			N/O	1	200	
76			N/O	N/O	2000	
77			20	N/O	10	
78			N/O	N/O	500	
79			N/O	N/O	25	
80			NOT INSPECTED			
81						
82						
83						
84						
85						

TIMING

ARRIVE					E. SEPT	
START					M. SEPT	
PEAK					L. SEPT	
END					OCT	

REMARKS


N
Dome Creek
0
kilometres
MAINLAND
3376
1319
2000
300
L 59 (PL)
700
34
35
36
37
38
39
40
41
42
△4384
2580
Aaltanhash Inlet
(Princess Royal Channel)
Khutze Inlet
(Princess Royal Channel)

NAME OF STREAM (Dome Creek or Head Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Aaltanhash Inlet, Rge. 4, Coast Dist.

POSITION 53°10'N 128°35'W

LENGTH 2.5 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Only coho can pass falls located 2.5 km from the stream mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to lake
CHUM	- to 1.5 km
PINK (ODD YEAR)	- to 1.5 km
PINK (EVEN YEAR)	- to 1.5 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Lake above obstructions suitable for coho

GENERAL REMARKS

-1968. Evidence of chum salmon digging up pink salmon eggs deposited earlier in the season

-1974. October 15th flood likely caused some loss of spawn

- 1978, 1980. Flooding may have caused some scouring and erosion to system

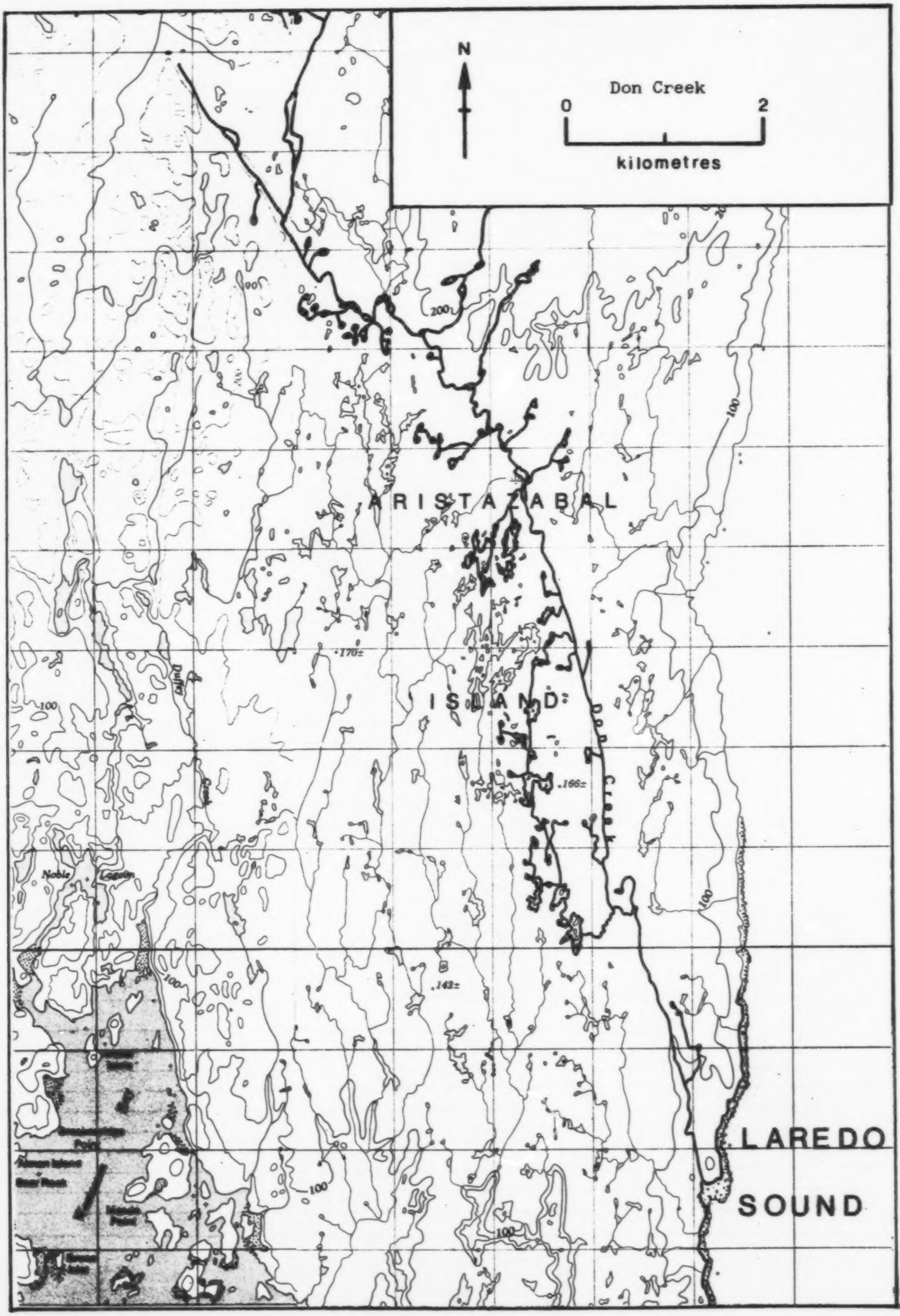
- Lake-fed stream reduces impact of drought
- Log jams and windfall debris cleared as required
- Some predation by bears and birds

ESCAPEMENT RECORD FOR (Dome or Head Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947				3500	400	
48					750	
49				3500	3500	
50			75	750	750	
51			200	800	12000	
52					15000	
53			75	3500	1500	
54			400	400	7500	
55			75	400	7500	
56			750	200	7500	
57			400	1500	750	
58			75	750	7500	
59			75	200	3500	
60			3500	15000	15000	
61			400	7500	15000	
62			750	750	15000	
63			1500	1500	15000	
64			400	7500	7500	
65			3500	3500	15000	
66			75	1000	2400	
67			1500	3500	1500	
68			400	400	1500	
69			75	25	500	
70			200	1500	3500	
71			N/0	1500	4500	
72			N/0	200	4000	
73			N/0	500	4000	
74			N/0	2500	1000	
75			100	550	2500	
76			150	50	2500	
77			75	50	700	
78			30	250	300	
79			200	N/0	650	
80			25	150	1100	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT	L. AUG	L. AUG	
START			L. SEPT	E. SEPT	E. SEPT	
PEAK			M. OCT	M. SEPT	M. SEPT	
END			NOV	L. SEPT	L. SEPT	

REMARKS


N
Don Creek
0
2
kilometres
ARISTAZABAL
ISLAND
Don Creek
Duffy Creek
Noble Lagoon
200
100
100
100
100
100
100
.170±
.166±
.143±
LAREDO
SOUND

NAME OF STREAM (Don Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Sound

POSITION 53°15'N 128°47'W

LENGTH 15.3 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- upper reaches
CHINOOK	
COHO	- throughout
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1978, 1980. Flooding may have caused some scouring and erosion to the system

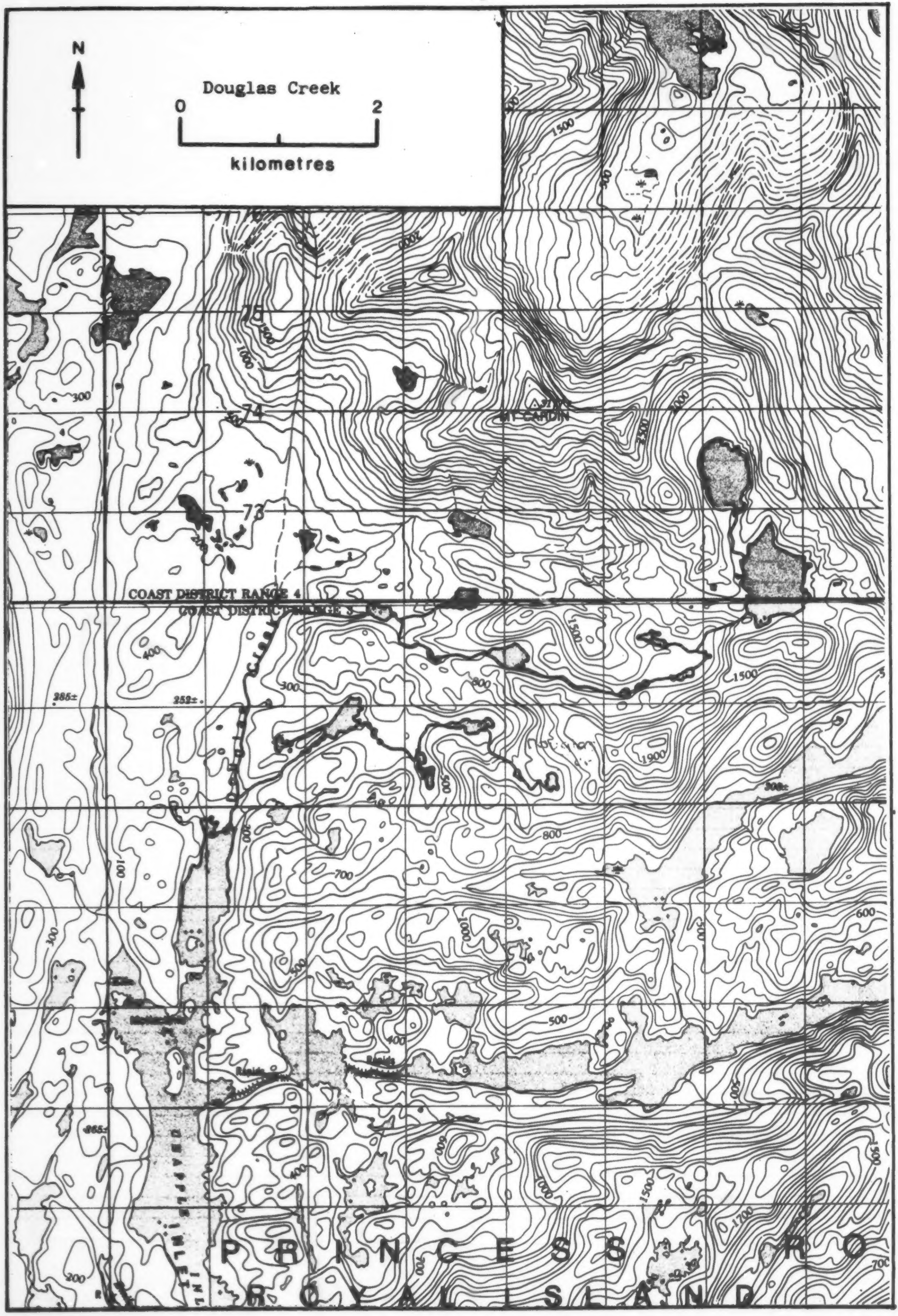
- No significant spawning potential
- Spawning grounds occur 1.6 km upstream from the mouth and beyond
- Subject to seasonal fluctuations in water levels
- Exposed position of stream makes inspection difficult

ESCAPEMENT RECORD FOR (Don Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	75		750	400	N/O	
48			750		25	
49	400		400	75	25	
50	75		200	25	25	
51	50		500	700	100	
52					200	
53	75		75	25	25	
54	75		400	25	200	
55	75		400	75	75	
56	400		1500	75	750	
57	750		1500	200	75	
58	200		750	750	400	
59	25	25	25	75	25	
60	25	25	750	75	400	
61	200		750	200	25	
62	750		400	N/O	200	
63	25		25	25	25	
64			N/O	N/O	N/O	
65			NOT INSPECTED			
66	N/O		50	N/O	N/O	
67			NOT INSPECTED			
68	N/O		75	75	200	
69						
70						
71						
72		NOT INSPECTED BETWEEN 1969-1975				
73						
74						
75						
76			200		27000	
77			200		700	
78			50	50	5000	
79			200		750	
80			N/O		1500	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			M. SEPT		L. AUG	
START			E. OCT		E. SEPT	
PEAK			L. OCT		L. SEPT	
END			NOV		OCT	

REMARKS


N
Douglas Creek
0
2
kilometres
MT CARDIN
COAST DISTRICT RANGE 4
COAST DISTRICT RANGE 5
75
74
73
1500
1000
300
800
1900
700
500
600
400
200
100
1700
PRINCESS ROYAL ISLAND
CHAPPLE INLET

NAME OF STREAM (Douglas Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Chapple Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 10.4 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet
CHINOOK	
COHO	- throughout
CHUM	- to 5.0 km
PINK (ODD YEAR)	- to 5.0 km
PINK (EVEN YEAR)	- to 5.0 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Dark water at time of inspection

-1968. Since flows were too low for fish to enter the stream, about 300 pinks spawned in tidal waters

-1971. Very low flows confined spawning to area below falls

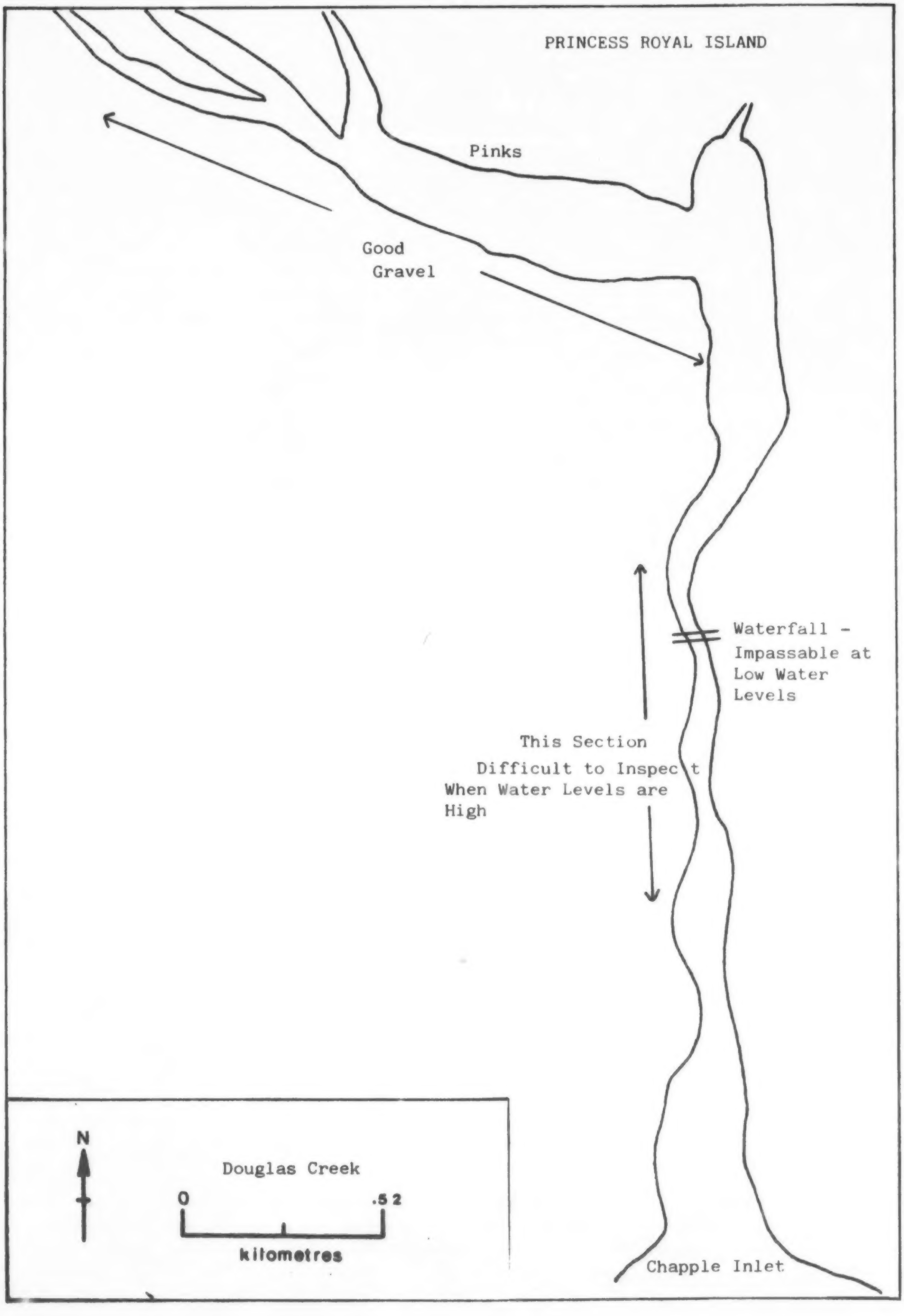
-1972. Aug. 17th, 18th, and 20th water levels were too low for fish to enter the stream

-1974. Flood on Oct. 15th probably caused some scouring of the streambed

-1978. There was localized evidence of late spawners digging up the eggs of previuously spawned fish

-1978, 1980. Winter flooding may have caused streambed damage

- Steep and rocky between mouth and lake
- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, and birds

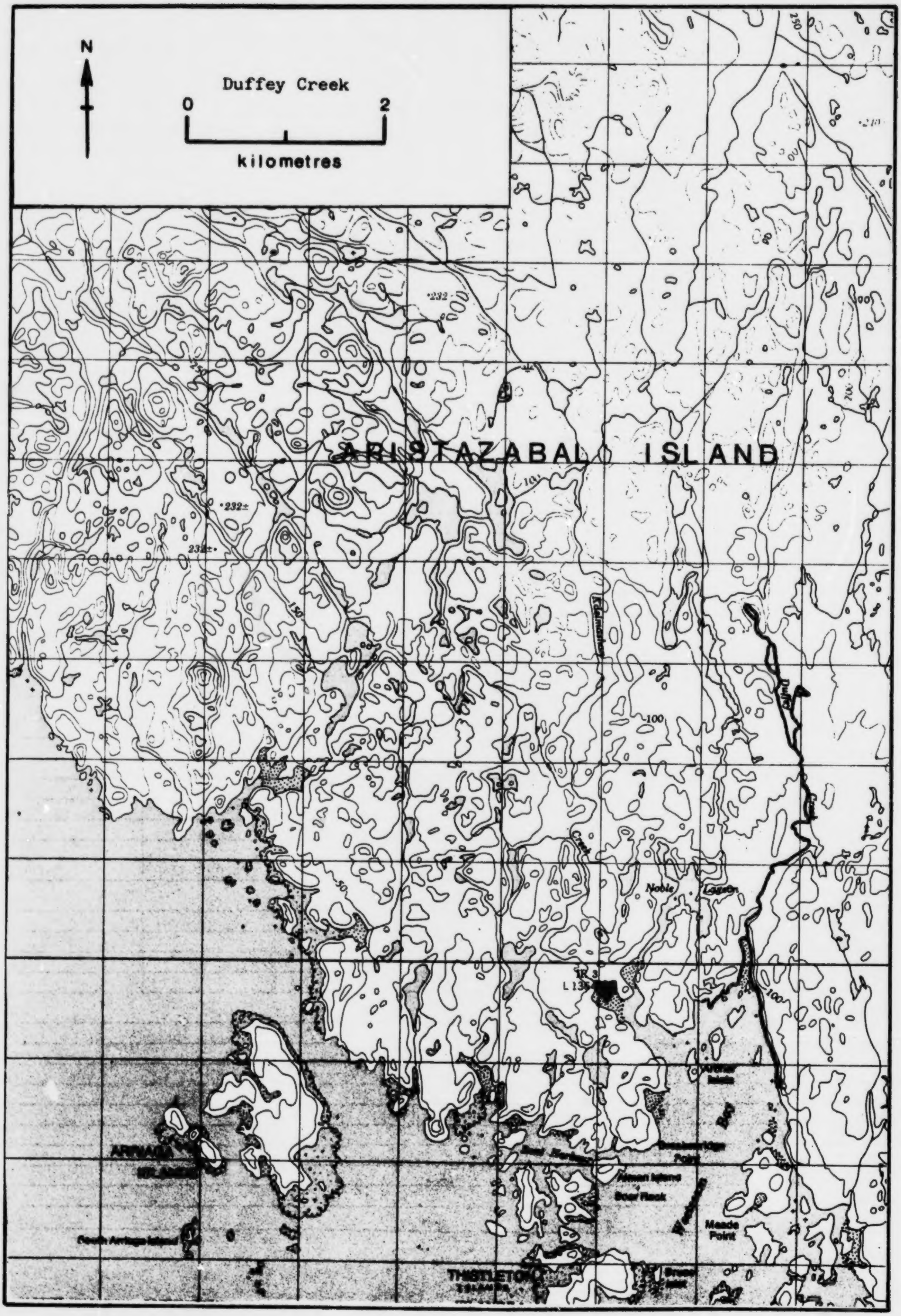

PRINCESS ROYAL ISLAND
Pinks
Good Gravel
Waterfall - Impassable at Low Water Levels
This Section Difficult to Inspect When Water Levels are High
Chapple Inlet
N
Douglas Creek
0
.52
kilometres

ESCAPEMENT RECORD FOR (Douglas Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	200		
48			750		75	
49					75	
50			400	400	75	
51			700	50	50	
52					25	
53			400	750	25	
54			750	200	75	
55			3500	75	75	
56			7500	200	400	
57			1500	200	25	
58	75		75	200	750	
59	200		750	200	25	
60	200		1500	400		
61	N/O		200	75	400	
62	400		1500	750	N/O	
63	750		200	200	1500	
64	200		200	75	750	
65	UNK		1500	200	750	
66	N/O		N/O	800	N/O	
67	N/O		N/O	N/O	N/O	
68	N/O		N/O	N/O	400	
69	N/O		N/O	N/O	N/O	
70	N/O		200	N/O	3500	
71	N/O		N/O	N/O	75	
72	N/O		N/O	N/O	3000	
73			N/O	N/O	5	
74			N/O	N/O	25	
75			N/O	N/O	N/O	
76			N/O	2	100	
77			300	25	25	
78			75	150	15000	
79			75	50	4500	
80			300	300	19000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


N
Duffey Creek
0
2
kilometres
ARISTAZABAL ISLAND
232
232±
232±
210
150
100
100
100
50
Duffey
Creek
Noble
Lagoon
L 13
Bay
Boar Rock
Meade Point
THISTLETON

NAME OF STREAM DUFFEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Head of Weeteeam Bay, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 6.4 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls at 1.0 km to coho only

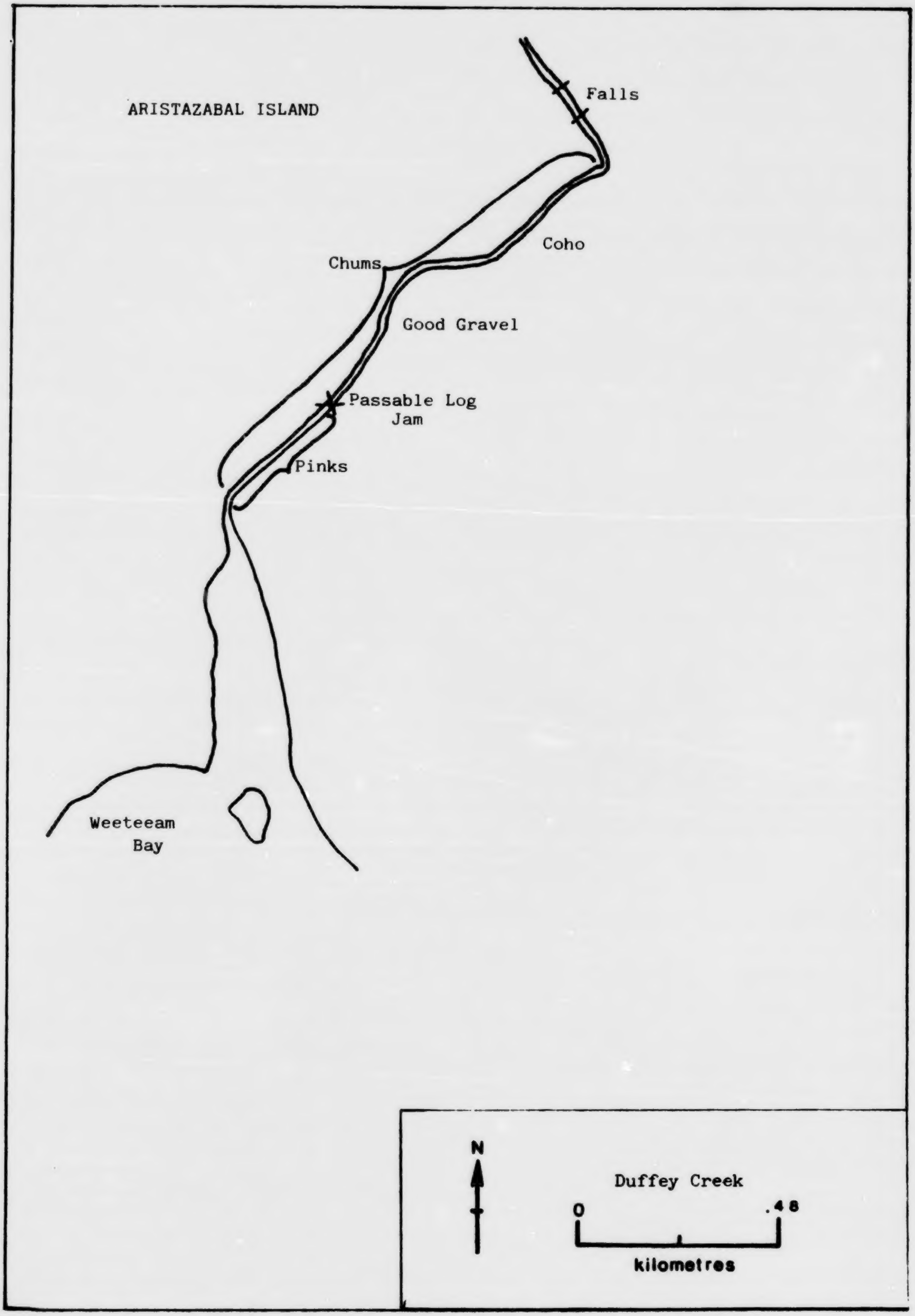
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- in lake and above
CHINOOK	
COHO	- throughout
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought and high water temperatures hampered sockeye spawning
-1957. Good run of coho in mid August
-1958, 1959. Surveyed log debris and windfalls
-1959. Closure required in adjacent areas during dry weather periods
-1964. Good fishing outside closure boundaries
-1965, 1966. Suveyed log jams
-1968, 1969. Higher than normal flows during the spawning season
-1973. Poor assessment conditions
-1978, 1980. Winter flooding
-1979. Previously confused with Stannard Creek
- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, birds, and otters

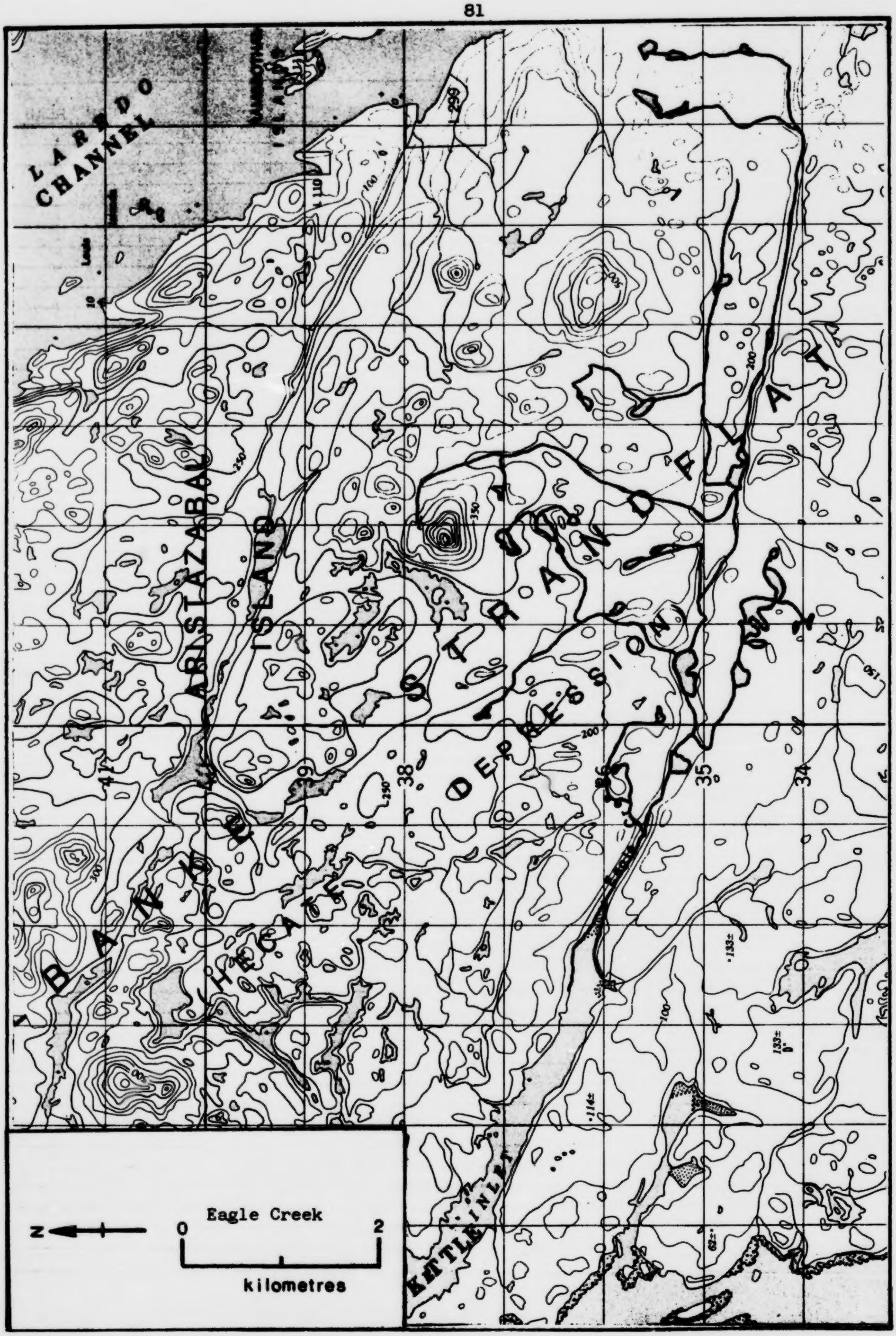

ARISTAZABAL ISLAND
Falls
Coho
Chums
Good Gravel
Passable Log Jam
Pinks
Weeteeam Bay
N
Duffey Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR DUFFEY CREEK (Little Borrowman Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	750		1500	7500	3500	
48	400		7500	7500	7500	
49	750		3500	7500	7500	
50	400		3500	7500	15000	
51	300		9000	7000	8000	
52					3500	
53	3500		3500	7500	3500	
54	1500		3500	7500	15000	
55	1500		3500	3500	15000	
56	1500		7500	3500	35000	
57	1500		7500	7500	7500	
58	1500		3500	7500	15000	
59	400		750	3500	3500	
60	750		1500	1500	7500	
61	400		1500	750	3500	
62	200		1500	750	7500	
63	400		7500	7500	3500	
64	750		1500	400	3500	
65	UKN		3500	400	3500	
66	N/O		N/O	50	5500	
67			25	200	400	
68	N/O		200	75	1500	
69			150	125	2000	
70			200	N/O	7500	
71			75	N/O	1500	
72			350	25	6000	
73			N/O	50	100	
74			120	100	5500	
75			250	N/O	600	
76			60	N/O	22500	
77			175	25	250	
78			75	100	5000	
79			25	2500	N/O	
80			N/O	500	100	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


LAREDO CHANNEL
ARISTAZABAL ISLAND
STRAND FLAT
DEPRESSION
HECATE
BANKS
KETTLE INLET
41
39
38
36
35
34
Eagle Creek
0
2
kilometres
N

NAME OF STREAM (Eagle Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Eagle Bay, head of Kettle Inlet, Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH 5.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 90 m

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- throughout
CHINOOK	
COHO	- throughout
CHUM	- to first lake
PINK (ODD YEAR)	- to first lake
PINK (EVEN YEAR)	- to first lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Good spawning bottom of sand and gravel

-1958. Severe drought most of the salmon run. No salt water mortality observed

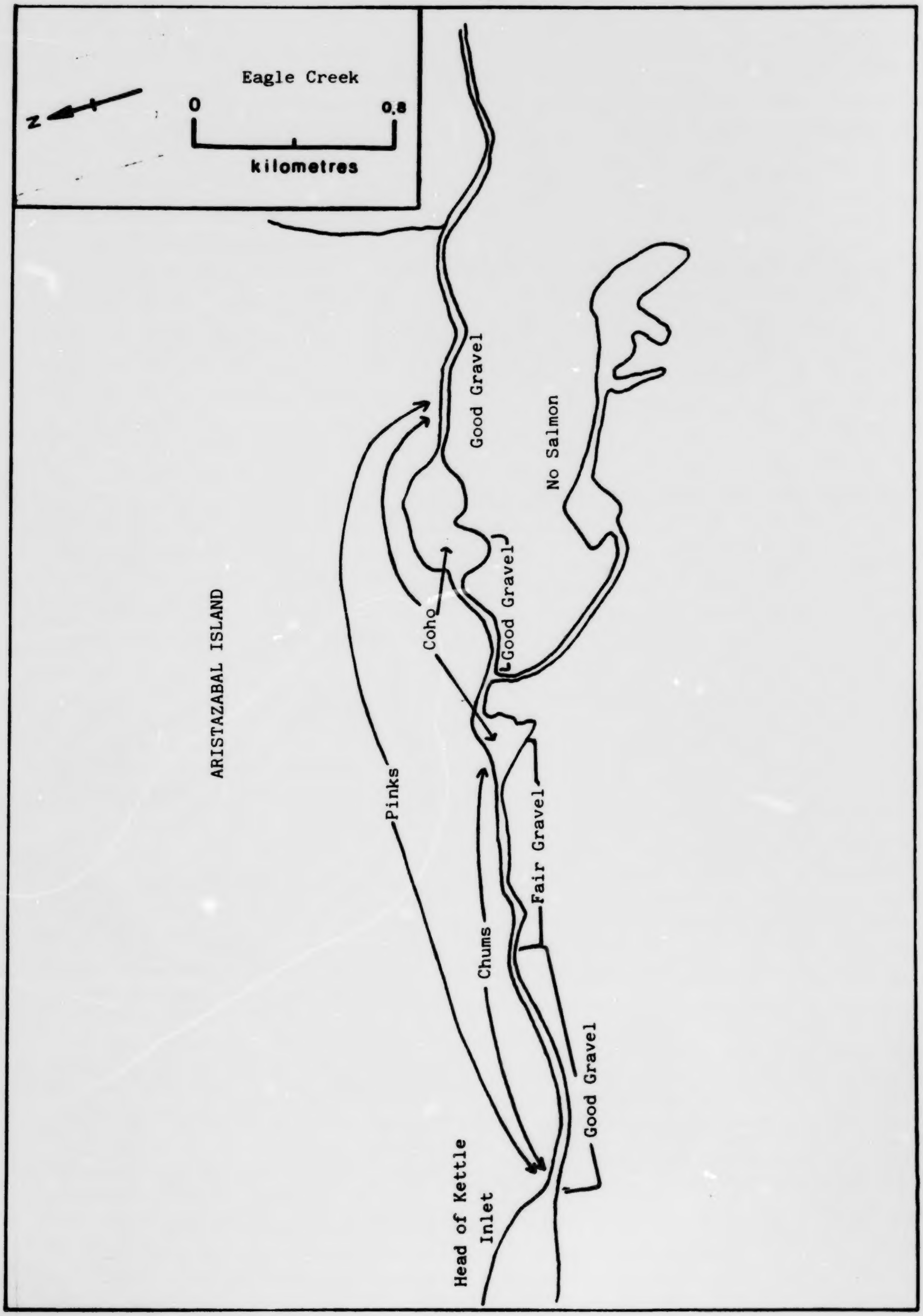
-1959. Early closure of West Coast fishing for conservation purposes

-1967. This stream drains a series of small lakes and good gravel for most of its length. It is stable and has good spawning conditions

-1970. This stream has good rearing areas

-1974. Proposed initiation of logging along the length of the creek within the next few years

-1980. High water in late December may have caused some scouring and erosion to the system

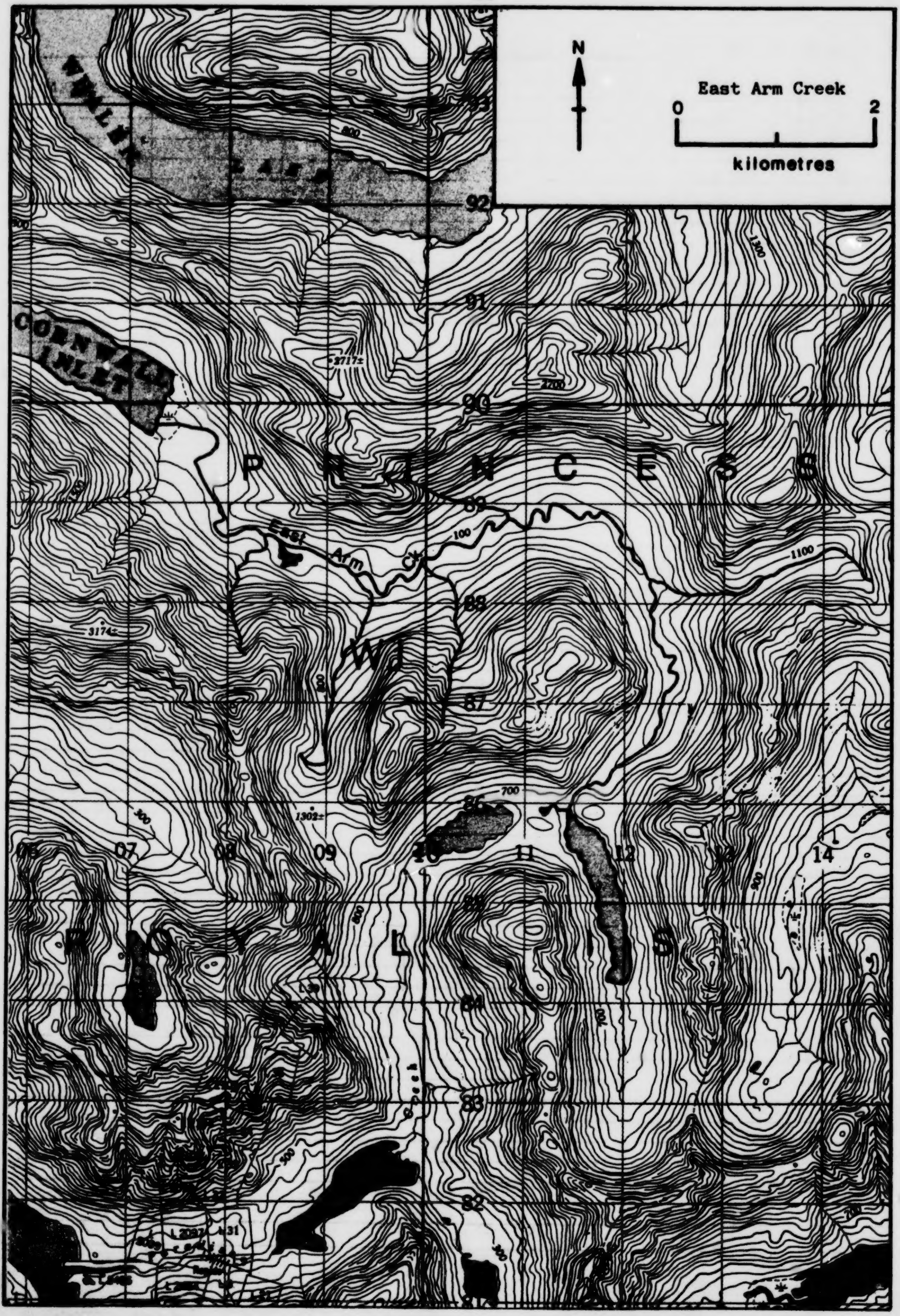

Eagle Creek
0
0.8
kilometres
N
ARISTAZABAL ISLAND
Good Gravel
No Salmon
Good Gravel
Coho
Pinks
Fair Gravel
Chums
Good Gravel
Head of Kettle
Inlet

ESCAPEMENT RECORD FOR EAGLE CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	750		1500	7500	3500	
48			7500		3500	
49	750		7500	15000	7500	
50	400		7500	15000	1500	
51	100		9000	6000	4000	
52					15000	
53	3500		3500	7500	1500	
54	1500		7500	15000	15000	
55	1500		7500	3500	3500	
56	1500		7500	3500	7500	
57	3500		7500	7500	3500	
58	1500		3500	7500	7500	
59	750		1500	200	400	
60	1500		750	3500	3500	
61	750		1500	750	7500	
62	400		1500	400	1500	
63	750		1500	400	15000	
64	1500		1500	3500	3500	
65	750		3500	1500	1500	
66	N/O		700	350	3000	
67	N/O		200	400	25	
68	N/O		1500	3500	3500	
69	N/O		800	500	N/O	
70			3500	750	3500	
71			750	200	25	
72			1600	700	3000	
73	N/O		200	500	75	
74			700	400	6000	
75			1000	1800	150	
76			1500	2300	18000	
77	100		1000	2500	25	
78			500	1000	5000	
79	75		750	1000	N/O	
80	N/O		N/O	325	1000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT	E. SEPT	E. SEPT	
START			L. SEPT	M. SEPT	M. SEPT	
PEAK			OCT	M. SEPT	M. SEPT	
END			NOV	M. OCT	L. SEPT	

REMARKS


N
East Arm Creek
0
2
kilometres
93
92
91
90
89
88
87
86
85
84
83
82
06
07
08
09
10
11
12
13
14
CORNWALL INLET
P R I N C E S S
R O Y A L I S
East Arm Ck
WJ
800
2717±
2700
1300
100
1100
3174±
1302±
700
300
900
600

NAME OF STREAM (East Arm Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into head of East Arm of Cornwall Inlet, Rge. 4, Coast Dist. POSITION 53°N 128°W

LENGTH 8.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.5 km upstream from the mouth passable to coho only

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

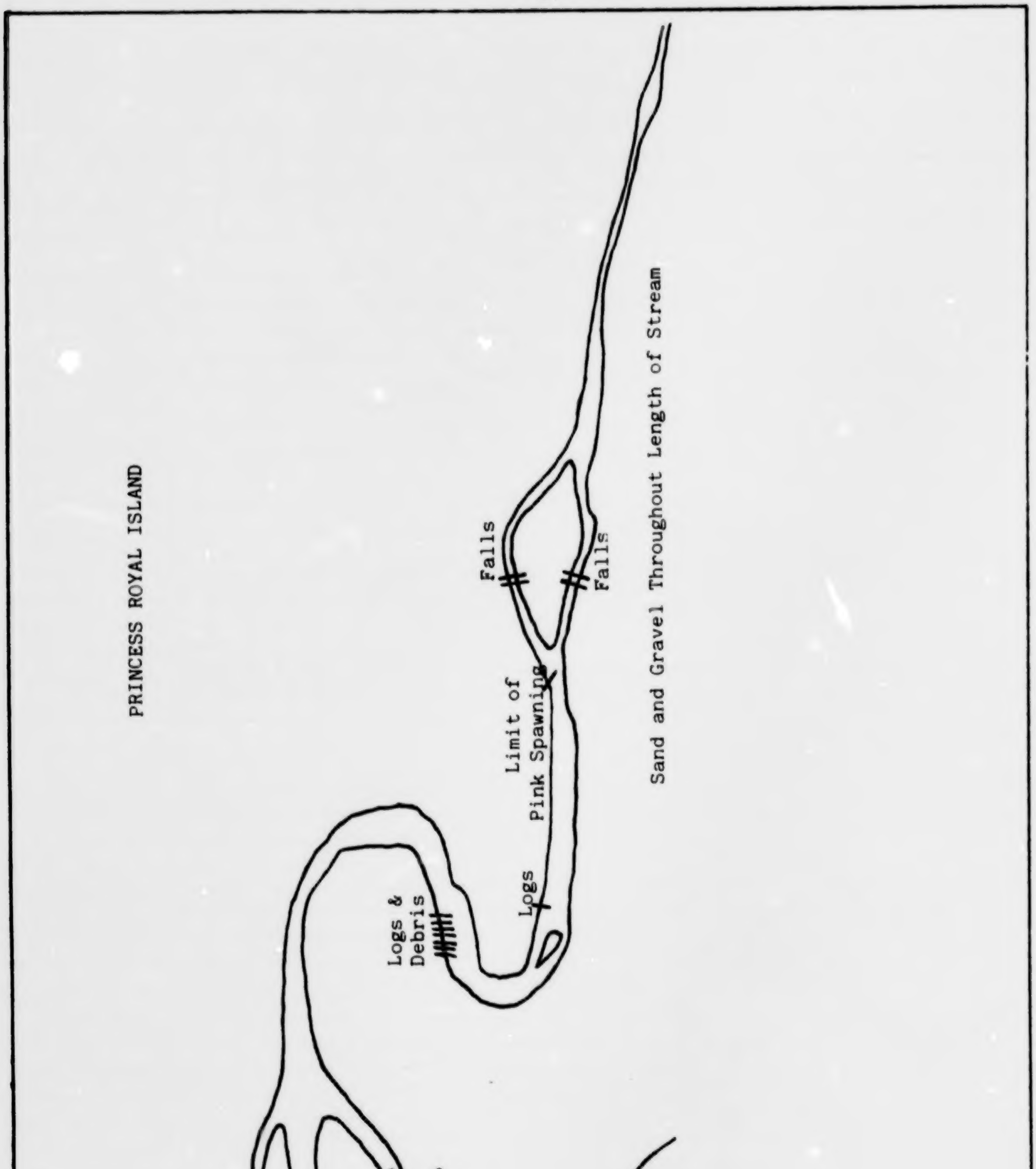
-1974. Some evidence of pinks dying unspawned at mouth

-1978, 1979. Poor assessment conditions

-1978, 1980. Winter flooding may have caused some scouring and erosion to system

- Subject to seasonal variations in flows

- Light predation by bears and birds

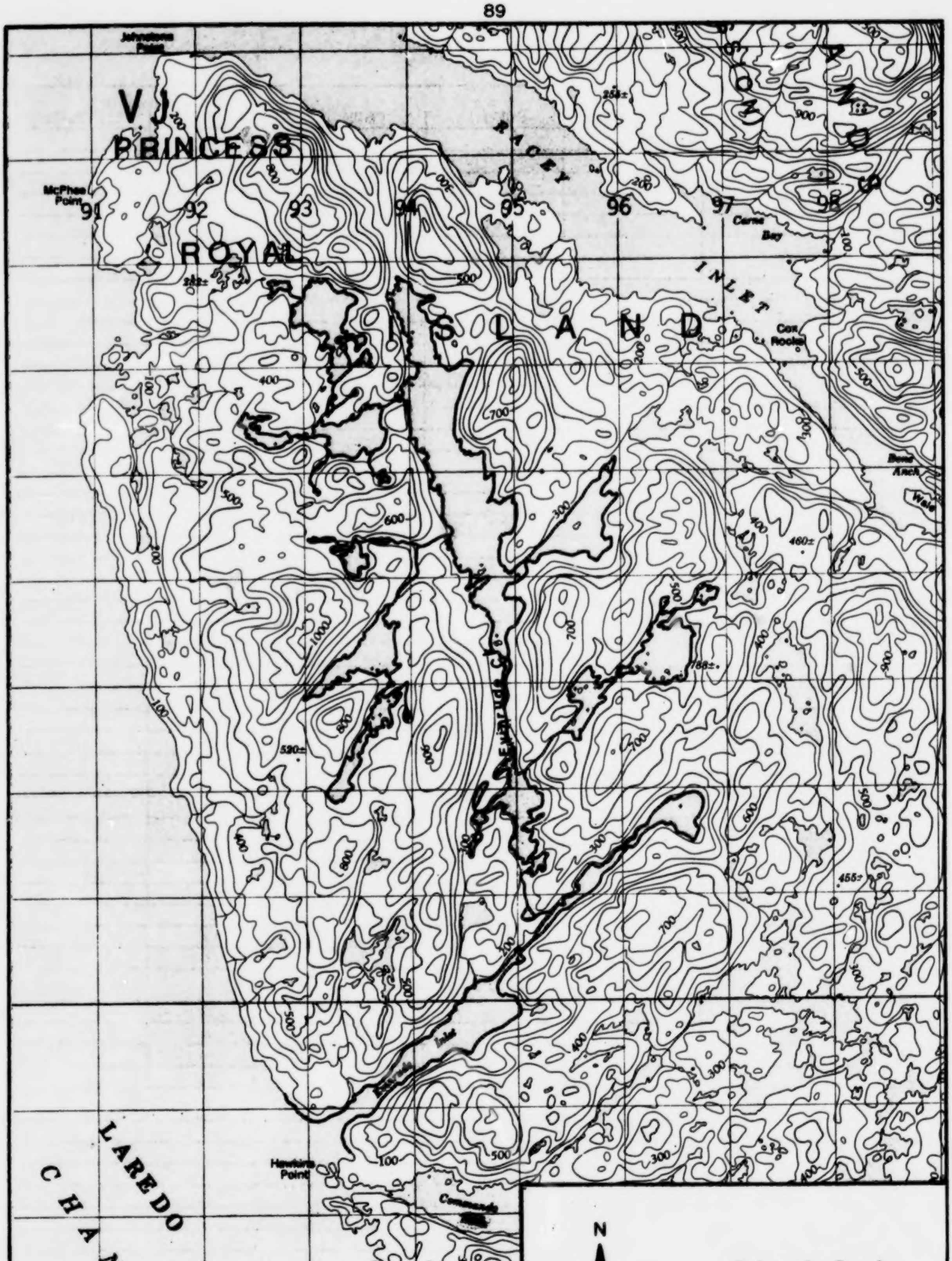

PRINCESS ROYAL ISLAND
Falls
Falls
Limit of Pink Spawning
Sand and Gravel Throughout Length of Stream
Logs
Logs & Debris
Tidal Flats
East Arm Creek
N
0
.24
kilometres

ESCAPEMENT RECORD FOR (East Arm Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48		NO RECORD BETWEEN 1947-1950				
49						
50						
51			500	100	200	
52					75	
53			400	400	200	
54			400	75	75	
55			25	75	75	
56			400	200	1500	
57			400	400	200	
58			NOT INSPECTED			
59			400	75	200	
60			400	75	200	
61			25	N/O	200	
62			200	N/O	N/O	
63			25	25	200	
64			25	200	N/O	
65			NOT INSPECTED			
66			25	N/O	1200	
67			N/O	400	750	
68			N/O	200	3500	
69				25	200	
70			200	1500	3500	
71			75	400	1500	
72			200	N/O	750	
73			N/O	100	300	
74			N/O	25	200	
75			200	N/O	300	
76			500	20	50	
77			350	10	350	
78			200	N/O	700	
79			200	150	200	
80			N/O	N/O	500	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			L. AUG	E. SEPT	E. SEPT	
START			L. SEPT	M. SEPT	M. SEPT	
PEAK			OCT	L. SEPT	L. SEPT	
END			NOV	OCT	E. OCT	

REMARKS


Johnstone Point
VJ
PRINCESS ROYAL ISLAND
McPhee Point
91
92
93
94
95
96
97
98
99
RACEY INLET
Carne Bay
Cox Rocks
Anch
Wale
Evinrude Cr.
Inlet
Hawkins Point
Commando
LAREDO CHANNEL
100
200
300
400
500
600
700
800
900
1000
253±
282±
460±
455±
520±
788±
N
0
kilometres

Evinrude Creek

NAME OF STREAM (Evinrude Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Evinrude Inlet on E. side of Laredo Channel.

Rge. 3, Coast Dist. POSITION 52°N 129°W

LENGTH 3.2 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Cascades located about 90 m upstream from the mouth are potentially impassable during periods of low flow

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and above
CHINOOK	
COHO	- lake outlet and above
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1965. Creek dry at time of inspection

-1978, 1980. Winter flooding may have caused some scouring and erosion to system

-1980. High December flows accompanied by turbid water

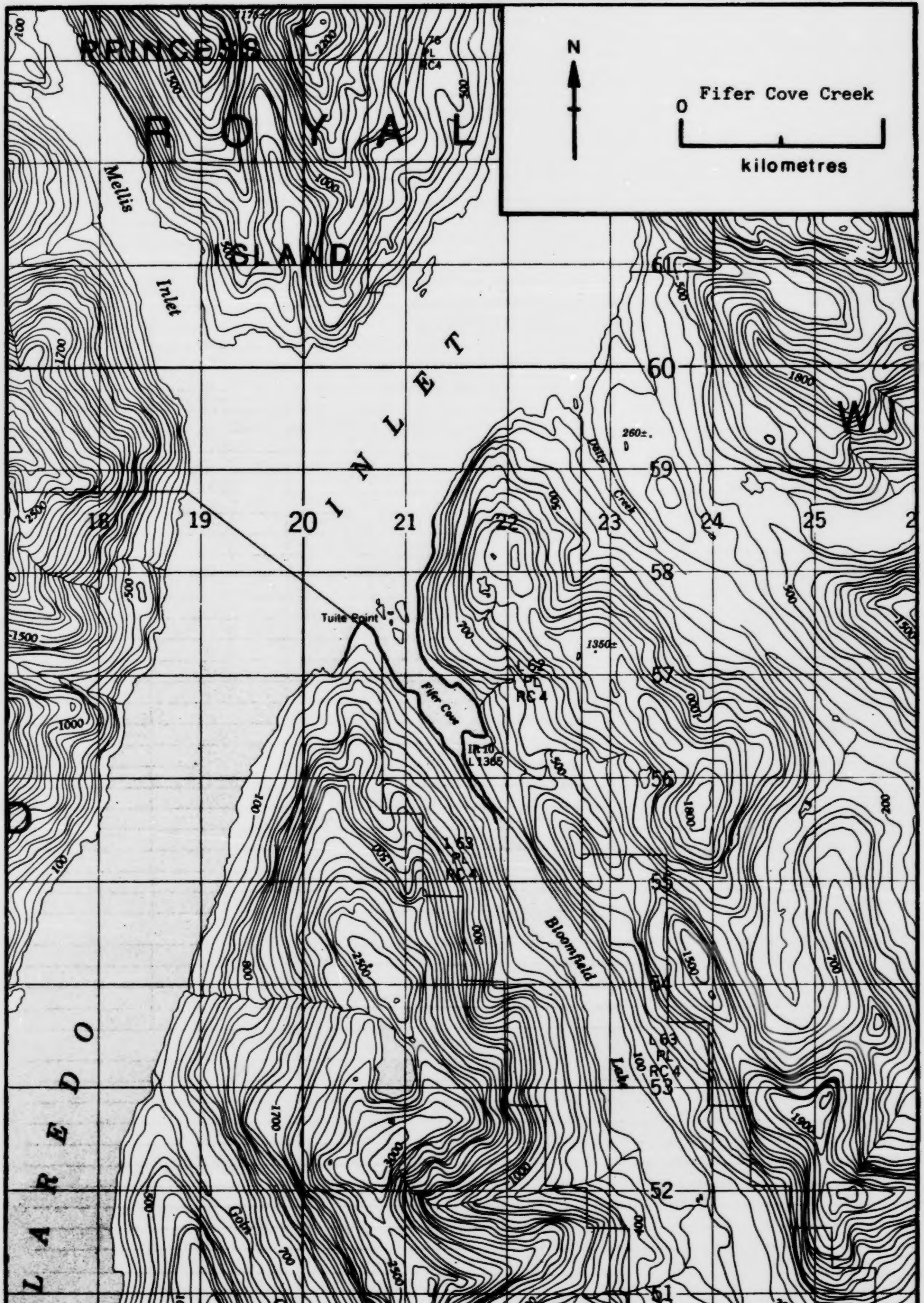
- Considered a virtually non-productive stream
- Subject to water level fluctuations during the upstream migration period
- Some predation by bears, wolves, eagles, and other birds

ESCAPEMENT RECORD FOR (Evinrude Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		NO	RECORD PRIOR	TO 1949		
48						
49			400			
50			200	75		
51			500			
52						
53			200			
54			400			
55			25			
56			200	75		
57			400	25	25	
58	200		400	400	75	
59	200		200	75	25	
60	750		400	75	75	
61	N/O		200	25	75	
62	750		750	750	N/O	
63	200		750	25	200	
64	400		25	200	N/O	
65	UNK		UNK	UNK	UNK	
66	N/O		N/O	N/O	N/O	
67	N/O		25	N/O	N/O	
68	N/O		N/O	75	N/O	
69	N/O		N/O	N/O	N/O	
70	N/O		N/O	N/O	N/O	
71	N/O		N/O	N/O	N/O	
72	N/O		N/O	N/O	N/O	
73	N/O		N/O	N/O	N/O	
74				N/O	200	
75	N/O		N/O	N/O	N/O	
76			N/O			
77	150		200	N/O	1000	
78	75		200	N/O	1500	
79	N/O		N/O	N/O	N/O	
80	N/O		N/O	N/O	N/O	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


N
Fifer Cove Creek
0
kilometres
PRINCESS ROYAL ISLAND
Mellis Inlet
INLET
LAREDO
Tuite Point
Fifer Cove
IR 10
L 1365
L 62
PL
RC 4
L 63
PL
RC 4
L 63
PL
RC 4
L 76
PL
RC4
Bloomfield Lake
Dally Creek
Goin Creek
WJ
260±
1350±
1775±
18
19
20
21
22
23
24
25
51
52
53
54
55
56
57
58
59
60
61

NAME OF STREAM (Fifer Cove Creek)

CONSERVATION DISTRICT 7 **STATISTICAL AREA** 6

LOCATION OF MOUTH Flows into Fifer Cove, E. side of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 1.6 **km** **WIDTH** ______ **m** **DRAINAGE** ______ **km²**

COMPOSITION: BEDROCK ______ **BOULDER** ______ **COARSE** ______ **FINE** ______

SILT & SAND ______ **UNCLASSIFIED** ______

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ **m²** **SPAWNING AREA** ______ **m²**

DISCHARGE (m^3/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- to Bloomfield Lake outlet
CHINOOK	
COHO	- to Bloomfield Lake outlet
CHUM	- to Bloomfield Lake outlet
PINK (ODD YEAR)	- to Bloomfield Lake outlet
PINK (EVEN YEAR)	- to Bloomfield Lake outlet
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1960. Shows signs of increased production

-1968. No spawning of pinks or chums recorded in this stream since 1962 and the brood years for the past 2 seasons had no returns for both species, therefore fisheries officers recommended the removal of this stream from active files

-1972. This stream drains Bloomfield Lake and is tidal for most of its length, with very poor spawning areas. Past records show some confusion of this stream with Bloomfield Creek, a good salmon producing stream located at the head of Bloomfield Lake

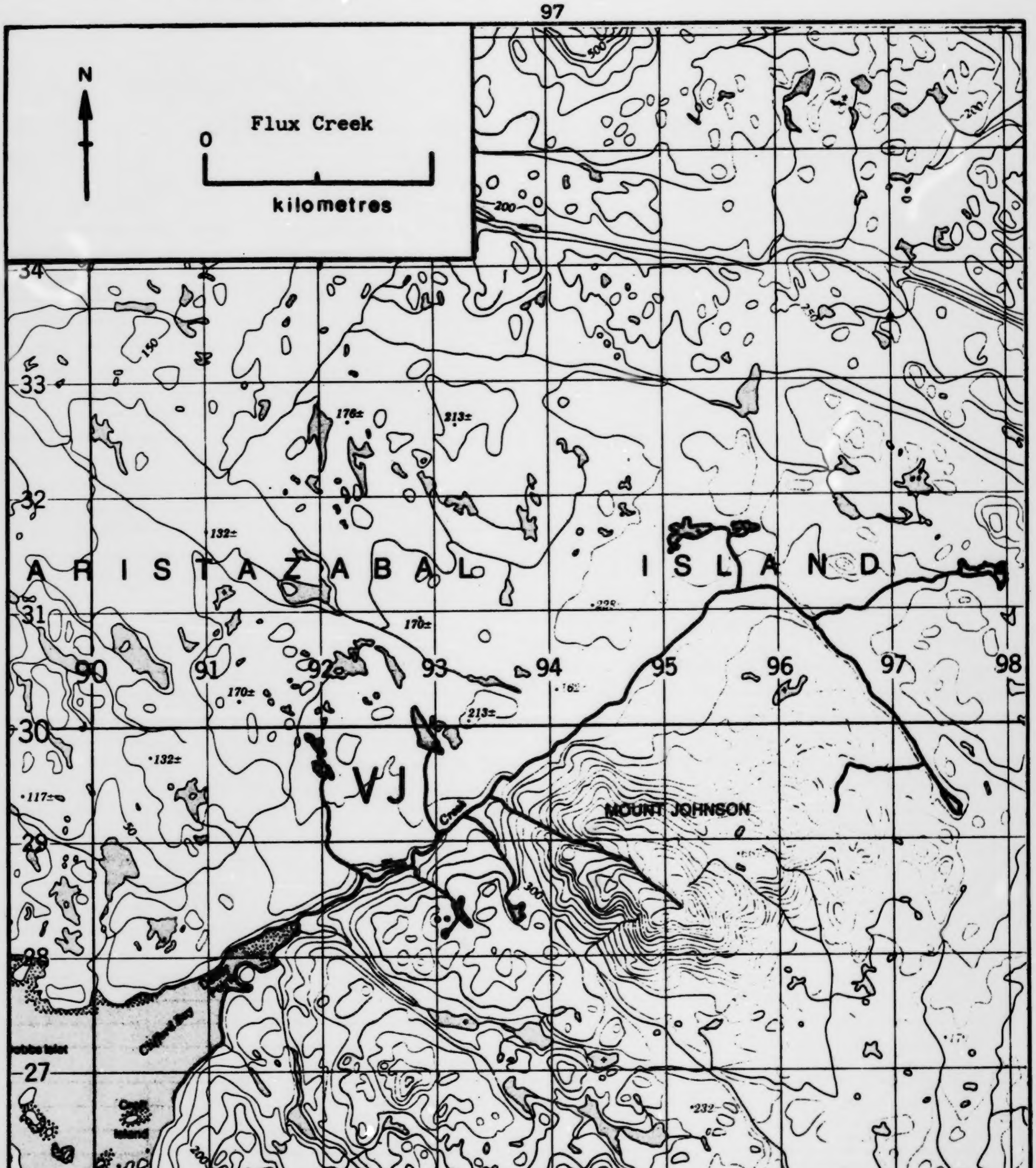
ESCAPEMENT RECORD FOR 96 (Fifer Cove Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52						
53			NO RECORD PRIOR TO 1960			
54						
55						
56						
57						
58						
59						
60				25	7500	
61				75	25	
62	25			200	7500	
63						
64						
65			NOT INSPECTED			
66				UNK	UNK	
67				N/0	N/0	
68				N/0	N/0	
69	N/0			70	N/0	
70				750	750	
71				N/0	200	
72				N/0	750	
73				75	50	
74				50	300	
75				N/0	75	
76				N/0	200	
77				N/0	200	
78				N/0	200	
79				20	30	
80				N/0	2000	
81						
82						
83						
84						
85						

TIMING

ARRIVE					E. SEPT	
START					E. SEPT	
PEAK					M. SEPT	
END					E. OCT	

REMARKS


N
Flux Creek
0
kilometres
ARISTAZABAL ISLAND
VJ
MOUNT JOHNSON
Creek
Clifford Bay
34
33
32
31
30
29
28
27
26
25
90
91
92
93
94
95
96
97
98
500
200
150
250
300
100
176±
213±
132±
170±
170±
162
213±
132±
117±
228
232
232±
232±

NAME OF STREAM FLUX CREEK

CONSERVATION DISTRICT 2 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into head of Clifford Bay, Rge. 3, Coast Dist.

POSITION 52 129 NE.

LENGTH 1.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls at 1.0 km to coho only.

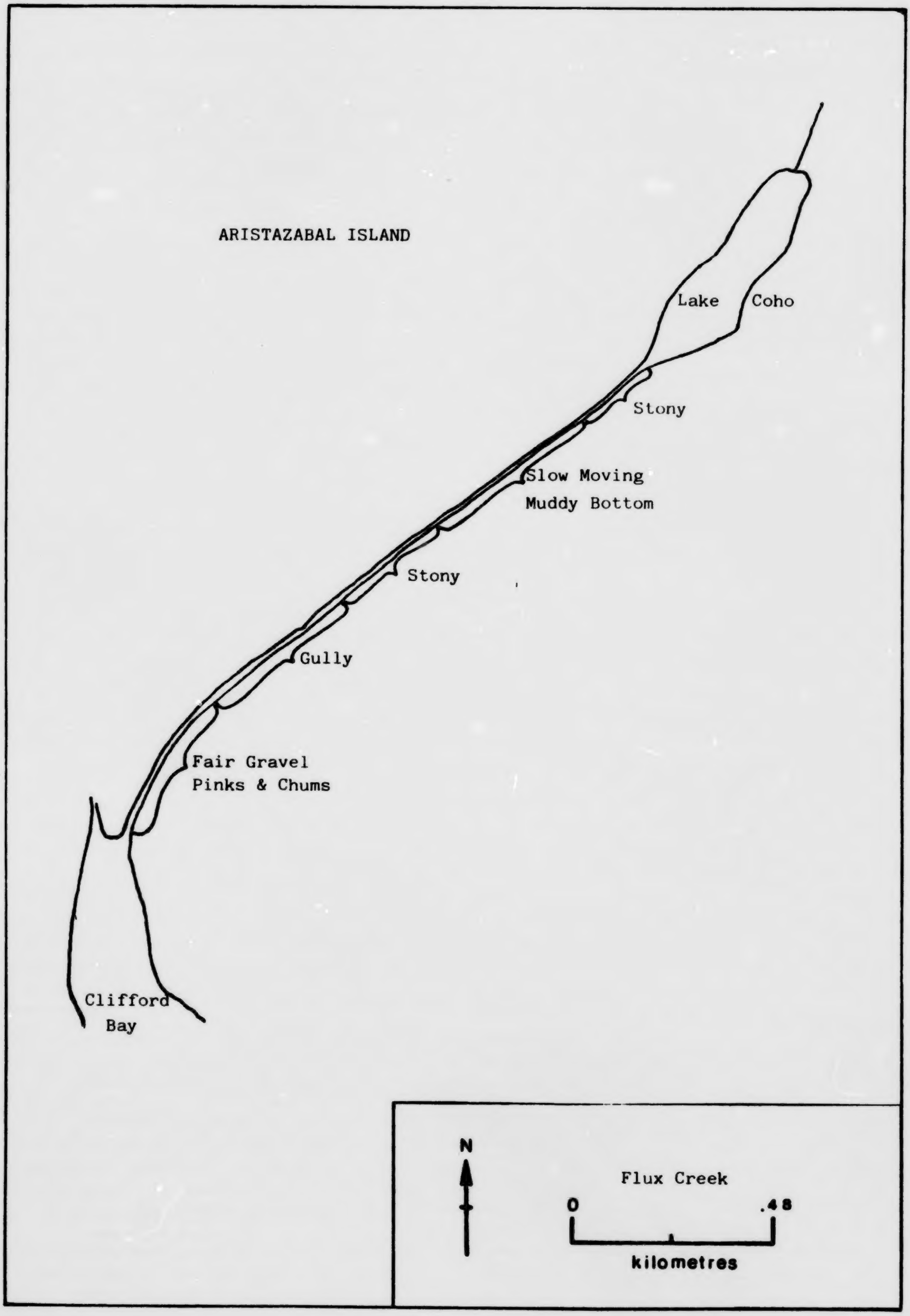
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- to falls
PINK (ODD YEAR)	
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1950, 51. The creek bed is composed of coarse sand and gravel.
- 1956. Removal of several small log jams made this creek accessible to fish.
- 1957. Low water levels throughout the migration period.
- 1980. High water levels in late December may have caused some scouring and erosion to the system. Water discoloration made assessment difficult.

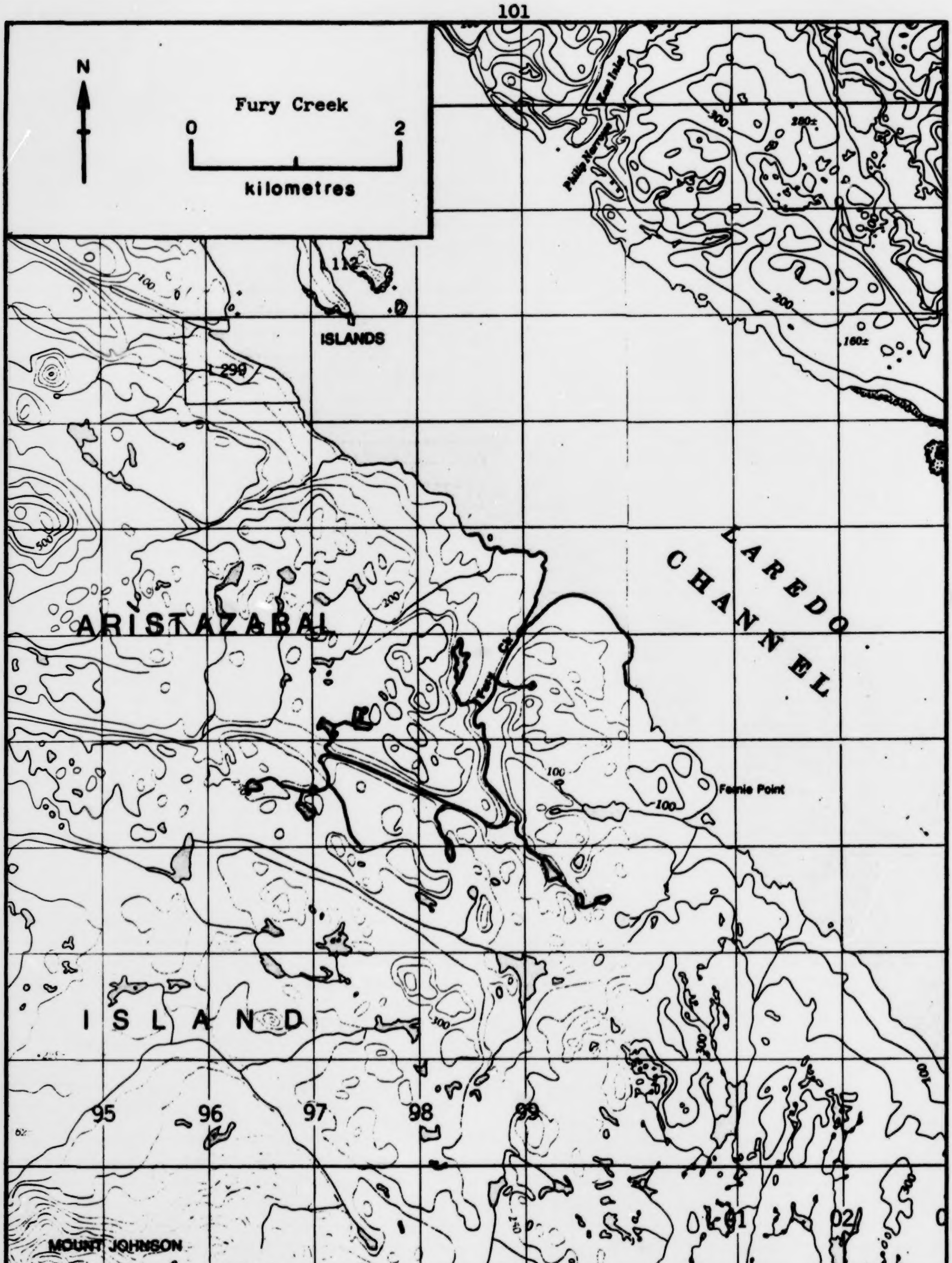

ARISTAZABAL ISLAND
Lake
Coho
Stony
Slow Moving
Muddy Bottom
Stony
Gully
Fair Gravel
Pinks & Chums
Clifford
Bay
N
Flux Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR FLUX CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	400		1500	7500	7500	
48			7500		7500	
49	400		1500	15000	7500	
50	400		3500	7500	3500	
51	300		5000	8000	4000	
52					7500	
53	1500		400	7500	3500	
54	3500		3500	7500	3500	
55	1500		7500	3500	1500	
56	1500		7500	3500	7500	
57	1500		3500	3500	750	
58	750		1500	7500	750	
59	200		1500	200	750	
60	400		1500	7500	750	
61	750		1500	1500	1500	
62	750		1500	750	1500	
63	1500		7500	200	15000	
64	400		750	3500	200	
65	400		1500	1500	750	
66	N/O		40	800	N/O	
67	N/O		25	25	N/O	
68	N/O		25	25	25	
69	N/O		N/O	32	N/O	
70			N/O	75	25	
71			N/O	N/O	N/O	
72			N/O	N/O	N/O	
73			N/O	50	N/O	
74			N/O	25	30	
75			N/O	24	N/O	
76				20	15	
77				75		
78				100	100	
79			300	2000	5	
80			100	400	500	
81						
82						
83						
84						
85						

TIMING						
ARRIVE				E. SEPT	E. SEPT	
START				M. SEPT	M. SEPT	
PEAK				L. SEPT	L. SEPT	
END				L. OCT	E. OCT	

REMARKS



N
Fury Creek
0
2
kilometres
ISLANDS
112
299
100
500
200
300
280±
200
160±
ARISTAZABAL
LAREDO
CHANNEL
Fernie Point
100
ISLAND
300
95
96
97
98
99
01
02
MOUNT JOHNSON
240±

NAME OF STREAM (Fury Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NE. into Laredo Chan., Rge. 3, Coast Dist.

POSITION 52°N 129°W

LENGTH * km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- upstream pools and into lake; 0.8 km upstream and above
CHINOOK	
COHO	- upstream pools and into lake; 0.8 km upstream and above
CHUM	- near mouth
PINK (ODD YEAR)	- near mouth
PINK (EVEN YEAR)	- near mouth
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

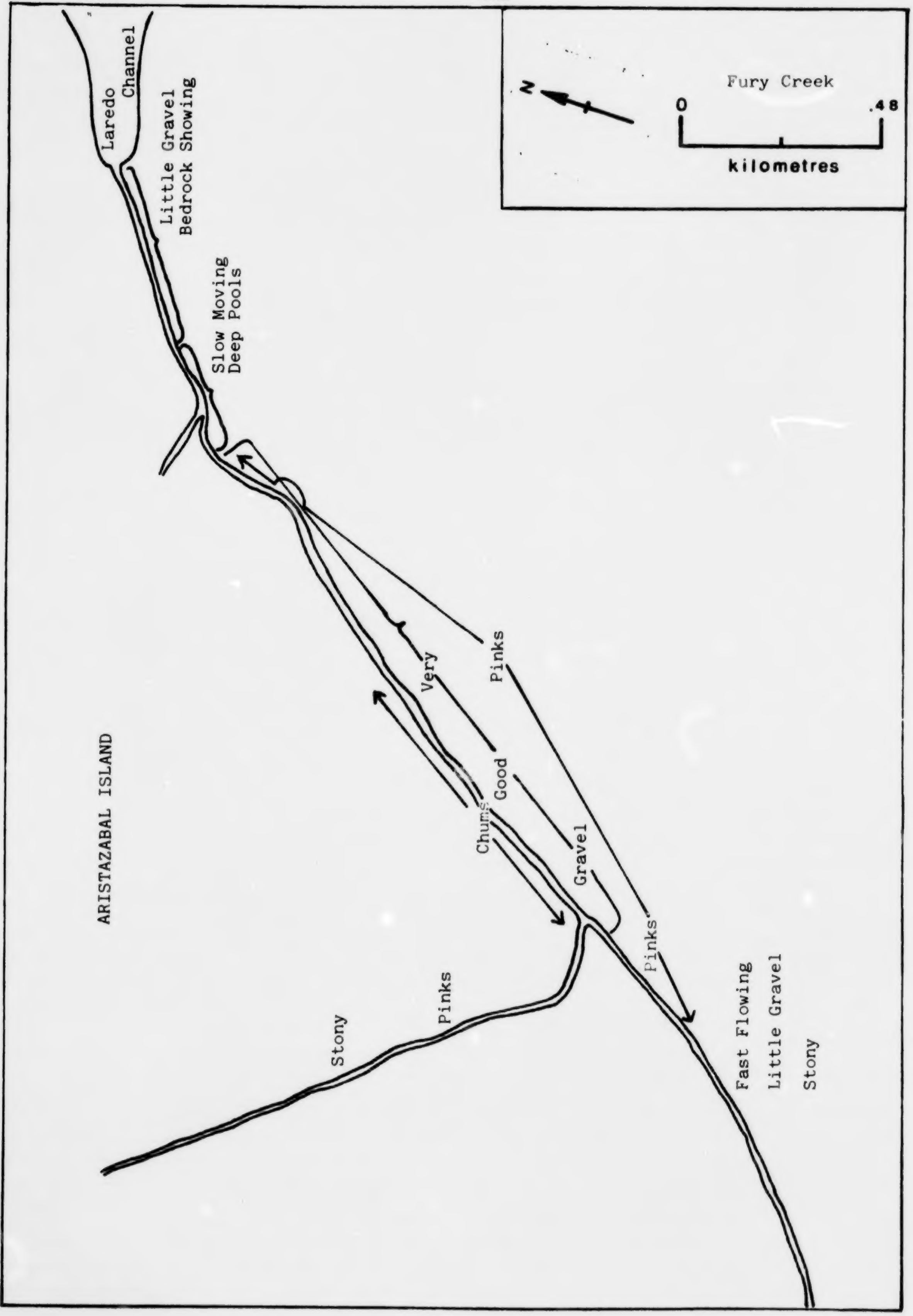
-1968. Stream has 1.2 km of good spawning habitat commencing 640 m above tidal water, however only 600 pinks spawned in this area and the reason for decline is unknown

-1971. Low water in September hampered upstream migration of pinks

-1974, 1978, 1980. Flooding may have caused some degradation of the streambed

- Good potential
- Tidal flats at mouth
- Broad deep streambed near mouth, but steep and rocky upstream
- Subject to normal seasonal water level fluctuations
- Some predation by bears, wolves, birds, and otters

- * 8.0 km right fork; 6.4 km left fork


Fury Creek
N
0
.48
kilometres
Laredo Channel
Little Gravel
Bedrock Showing
Slow Moving
Deep Pools
ARISTAZABAL ISLAND
Very Good Gravel
Pinks
Chums
Pinks
Stony
Pinks
Fast Flowing
Little Gravel
Stony

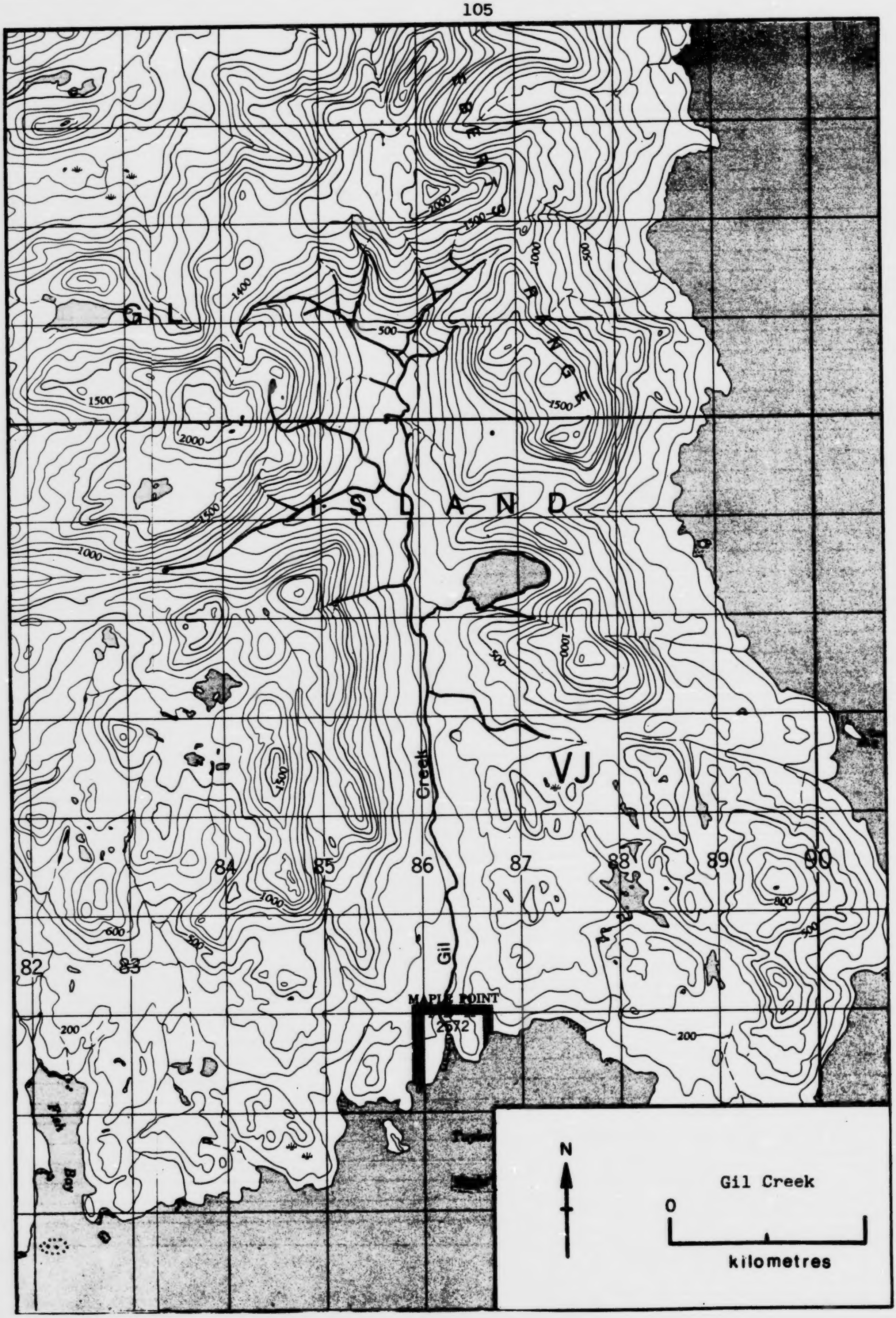
ESCAPEMENT RECORD FOR (Fury Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	200		75	1500	25	
48			75		400	
49	75		75	75	25	
50	200		75	25	25	
51	50		300	100	100	
52						
53	750		400	200	25	
54	400		400	400	200	
55	200		400	200	25	
56	400		750	200	750	
57	400		1500	750	200	
58	750		750	750	400	
59	200		400	75	400	
60	750		750	200	75	
61	200		750	200	400	
62	400		750	400	750	
63	200		1500	25	750	
64	750		400	200	400	
65			NOT INSPECTED			
66	UNK		UNK	UNK	UNK	
67	75		25	400	N/O	
68	N/O		N/O	25	750	
69				70	400	
70			N/O	N/O	25	
71			25	75	3500	
72			200	25	1500	
73			N/O	25	150	
74	300		N/O	N/O	3000	
75	350		150	N/O	2000	
76			100		36000	
77			200	100	1000	
78			N/O	200	5000	
79			100	200	500	
80	N/O		100	N/O	5000	
81						
82						
83						
84						
85						

TIMING

ARRIVE			M. SEPT	M. SEPT	E. SEPT	
START			OCT	M. SEPT	M. SEPT	
PEAK			OCT	L. SEPT	L. SEPT	
END			NOV	E. OCT	OCT	

REMARKS


GIL
ISLAND
RANGE
VJ
Creek
Gil
MAPLE POINT
2572
Fish
Bay
1400
500
2000
1500
1000
600
200
800
82
83
84
85
86
87
88
89
90
N
Gil Creek
0
kilometres

NAME OF STREAM (Gil Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Whale Chan., Rge. 4, Coast Dist.

POSITION 53°N 129°W

LENGTH 12.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Series of passable cascades 0.8 km from mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- upper reaches
CHUM	- lower reaches
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

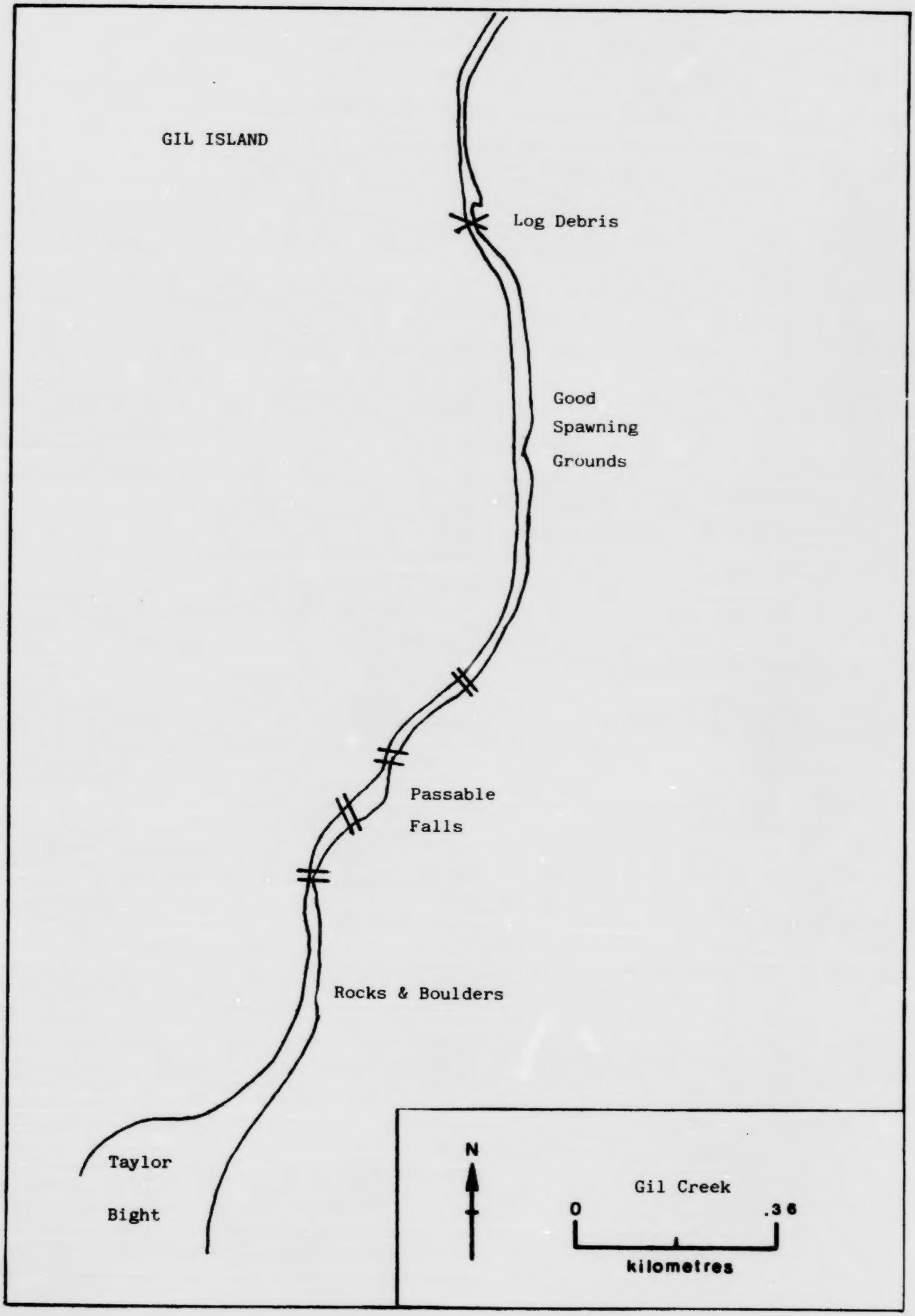
GENERAL REMARKS

-1950. Poor spawning escapement

-1957, 1959-1964. Heavily fished all season by Yugoslav Bay seiners

-1980. Flood may have caused some scouring and erosion to system

- Limited spawning sites
- Subject to seasonal fluctuations in water levels
- Some predation by bears and wolves. (Large wolf pack on Gil Island)


GIL ISLAND
Log Debris
Good
Spawning
Grounds
Passable
Falls
Rocks & Boulders
Taylor
Bight
N
Gil Creek
0
.36
kilometres

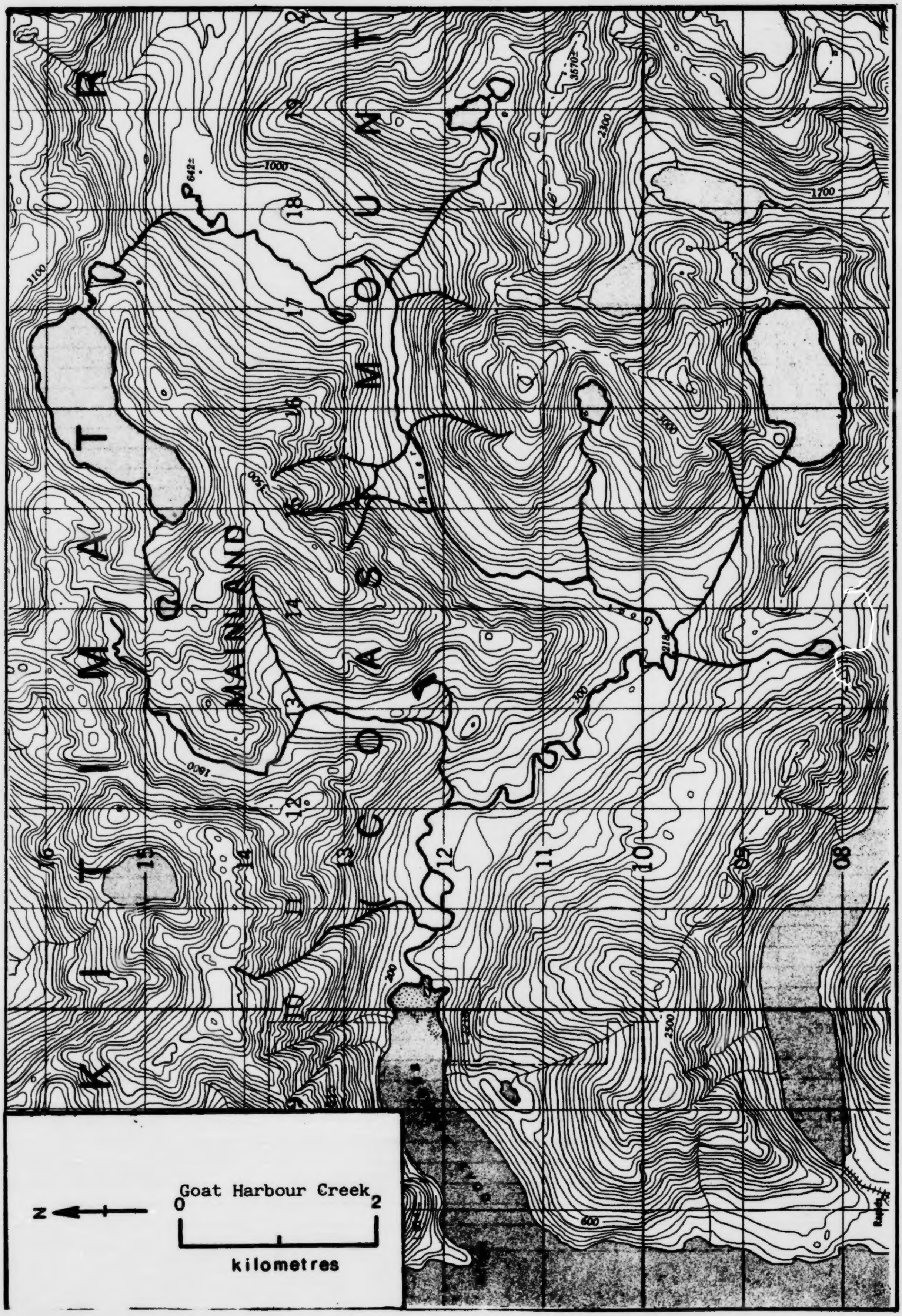
ESCAPEMENT RECORD FOR (Gil Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	3500	1500	
48			400		3500	
49			75	200	400	
50			25	75	750	
51			400	900	500	
52					750	
53			75	200	400	
54			75	400	400	
55			200	25	200	
56			750	750	3500	
57			200	1500	750	
58			200	1500	1500	
59			200	75	400	
60			200	75	750	
61			25	N/O	400	
62			1500	750	1500	
63			N/O	N/O	400	
64			25	N/O	200	
65			200	400	400	
66			N/O	N/O	1500	
67			N/O	75	N/O	
68			N/O	200	750	
69			N/O	N/O	N/O	
70			N/O	N/O	1500	
71			N/O	N/O	2000	
72			N/O	200	4000	
73			N/O	N/O	N/O	
74				50	N/O	
75			N/O	N/O	2000	
76					14000	
77			200		4200	
78				30	15000	
79			75	N/O	9000	
80			100		20000	
81						
82						
83						
84						
85						

TIMING

ARRIVE					E. SEPT	
START					M. SEPT	
PEAK					L. SEPT	
END					E. OCT	

REMARKS


Goat Harbour Creek
0
2
kilometres
N
MAINLAND
River
642±
1000
3570±
2300
1700
3100
3000
1900
1800
300
218
200
2500
600
700
12
13
14
15
16
17
18
19
08
09
10
11

NAME OF STREAM GOAT HARBOUR CREEK (Goat Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Goat Harbour E. side of Ursula Reach, Rge. 4, Coast Dist. POSITION 53°N 128°W

LENGTH 0.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls 0.4 km from the stream mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- below falls
CHUM	- below falls
PINK (ODD YEAR)	- below falls
PINK (EVEN YEAR)	- below falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Poor because no suitable spawning area above falls

GENERAL REMARKS

-1947. Spawning grounds below falls considered adequate to accommodate salmon spawning in creek

-1956. Poor production, possibly due to lack of spawning gravel and very rocky substrate near mouth

-1965. Majority of fish spawned just above tidal water

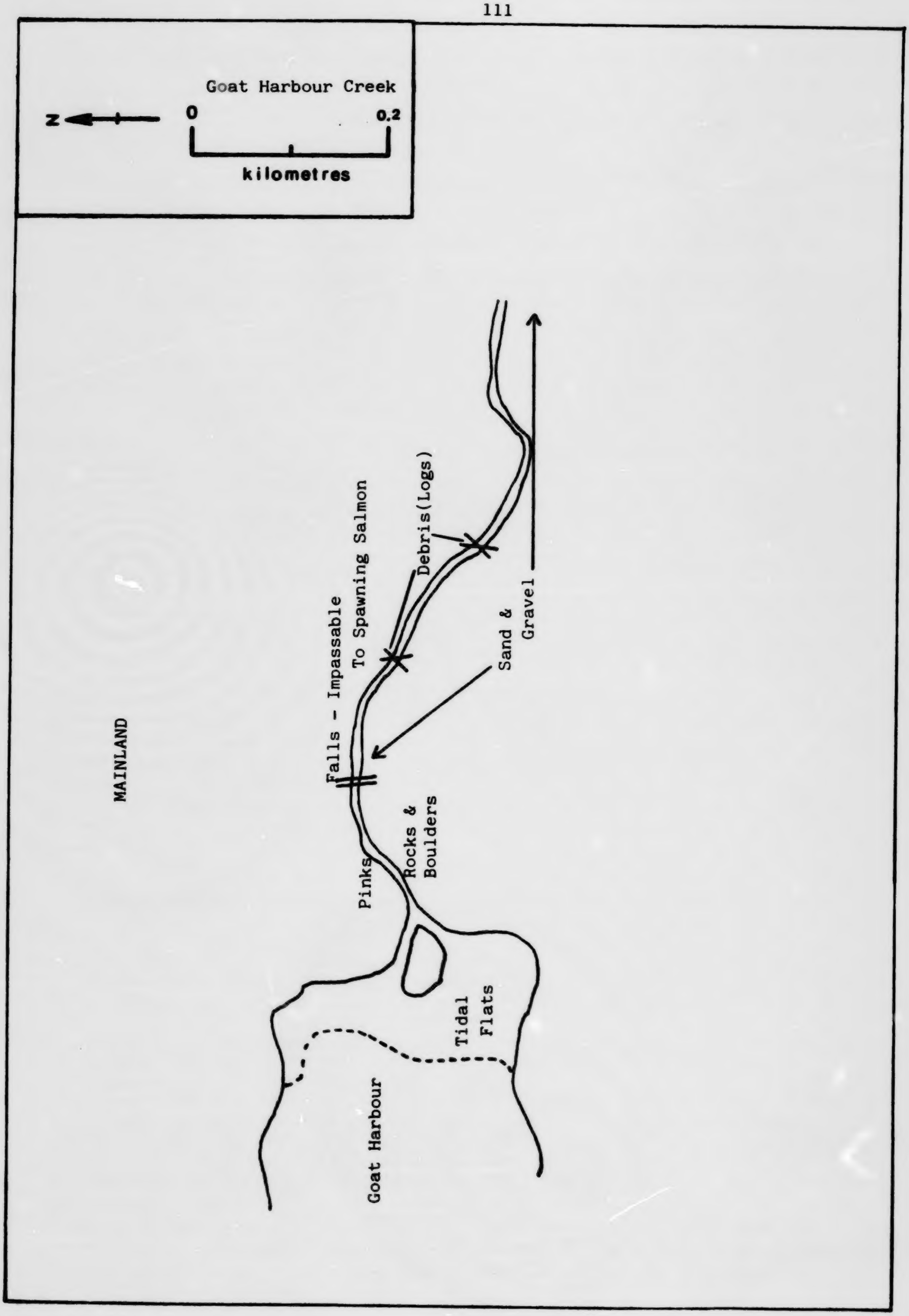
-1968. Noticed lampreys spawning in stream above first falls

-1970. Poor habitat continued. Poor salmon production potential. Suggested removal from active files

-1980. Flooding in late December may have caused some erosion and scouring

- Poor spawning substrate and very fast water to base of falls

- Subject to seasonal fluctuations in water levels


Goat Harbour Creek
N
0
0.2
kilometres
MAINLAND
Falls - Impassable
To Spawning Salmon
Debris(Logs)
Sand &
Gravel
Pinks
Rocks &
Boulders
Tidal
Flats
Goat Harbour

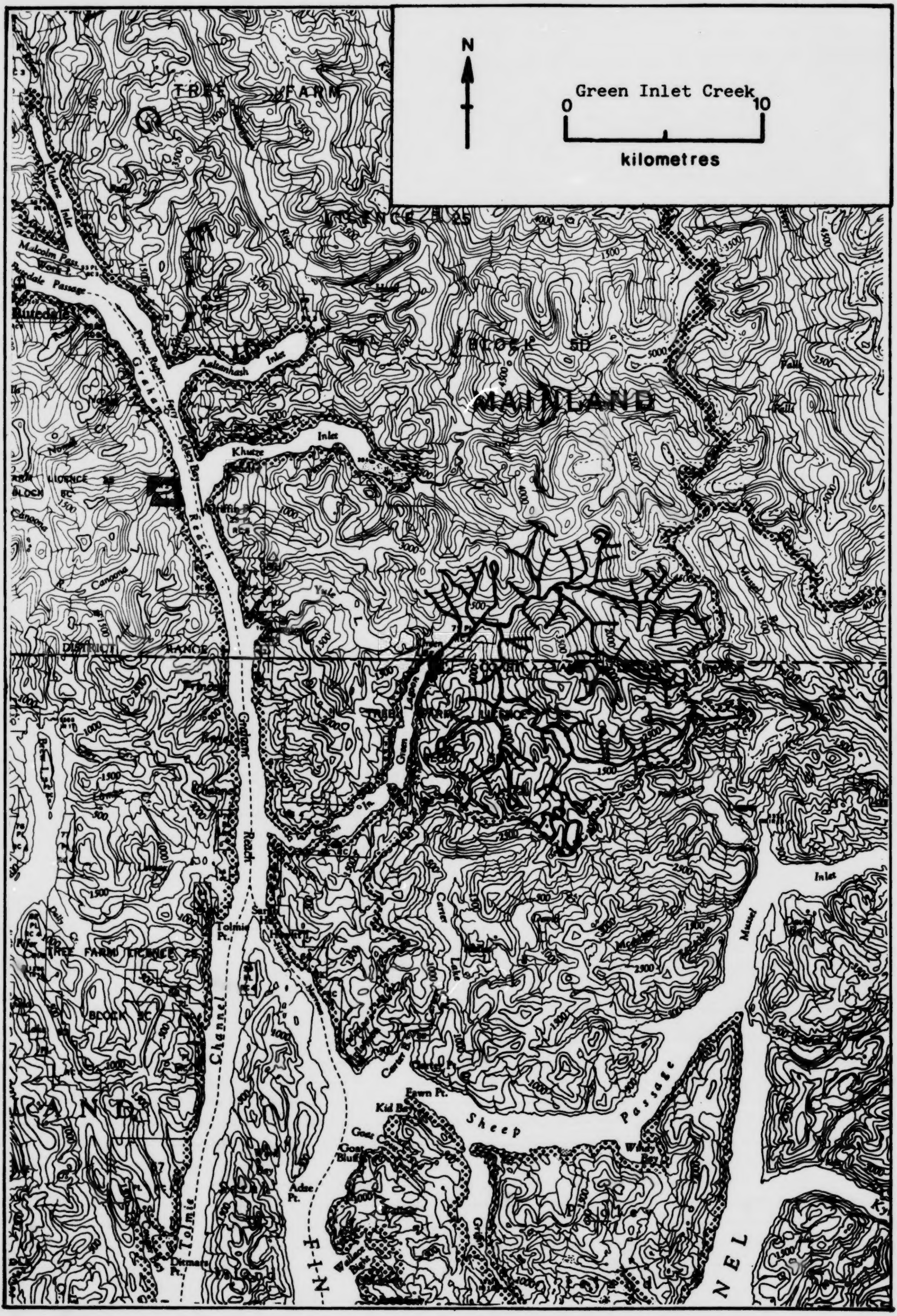
ESCAPEMENT RECORD FOR GOAT HARBOUR CREEK (Goat Cove Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	1500	750	
48			75	25	750	
49			75	750	750	
50			25	25	200	
51			300	600	800	
52			NOT INSPECTED			
53			25	750	200	
54			200	200	750	
55			25	75	200	
56			25	75	400	
57			N/O	N/O	N/O	
58			N/O	200	25	
59			25	N/O	N/O	
60				75	400	
61				25	N/O	
62				N/O	25	
63			NOT INSPECTED			
64			N/O	25	25	
65				25	75	
66				N/O	N/O	
67			N/O	N/O	N/O	
68			N/O	N/O	200	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72					100	
73			N/O	N/O	N/O	
74			50	30	N/O	
75				10	100	
76					N/O	
77					N/O	
78				10	300	
79				25	150	
80				N/O	75	
81						
82						
83						
84						
85						

TIMING:

ARRIVE				AUG	AUG	
START			AUG	AUG	AUG	
PEAK				SEPT	SEPT	
END			SEPT	OCT	SEPT	

REMARKS


N
Green Inlet Creek
0
10
kilometres
TREE FARM
LICENCE 25
BLOCK 5D
MAINLAND
Aaltanhash Inlet
Khutze Inlet
Graham Reach
Butedale
Malcolm Pass.
DISTRICT
RANGE
TREE FARM LICENCE 25
BLOCK 5C
Green
Tolmie Pt.
Tolmie Channel
Sheep Passage
Carter Bay
Fawn Pt.
Kid Bay
Goat Bluff
Adze Pt.
Inlet

NAME OF STREAM GREEN INLET CREEK (Green River)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Green Inlet on E. shore of Graham Reach, Rge. 3, Coast Dist. POSITION 52° 128° NE.

LENGTH 6.4 km WIDTH ___ m DRAINAGE ___ km²

COMPOSITION: BEDROCK ___ BOULDER ___ COARSE ___ FINE ___

SILT & SAND ___ UNCLASSIFIED ___

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ___ m² SPAWNING AREA ___ m²

DISCHARGE (m³/s) ___

TEMPERATURE (°C) ___

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Series of impassable falls located 3.2 to 6.4 km from mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- evenly distributed to first falls
PINK (ODD YEAR)	- evenly distributed to first falls
PINK (EVEN YEAR)	- evenly distributed to first falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ___

GENERAL REMARKS

-1949. Good spawning substrate

-1950. Flood conditions caused considerable loss of spawn

-1955-1956. Good potential for increased production

-1958. Guardian hired to enforce fishing restrictions to upbuild stocks

-1959. Green Inlet closed to net fishing to restore stocks

-1965. Large concentrations of pink salmon in Green Inlet during end of July and early August, although most fish left Green Inlet and spawned in Khutze River

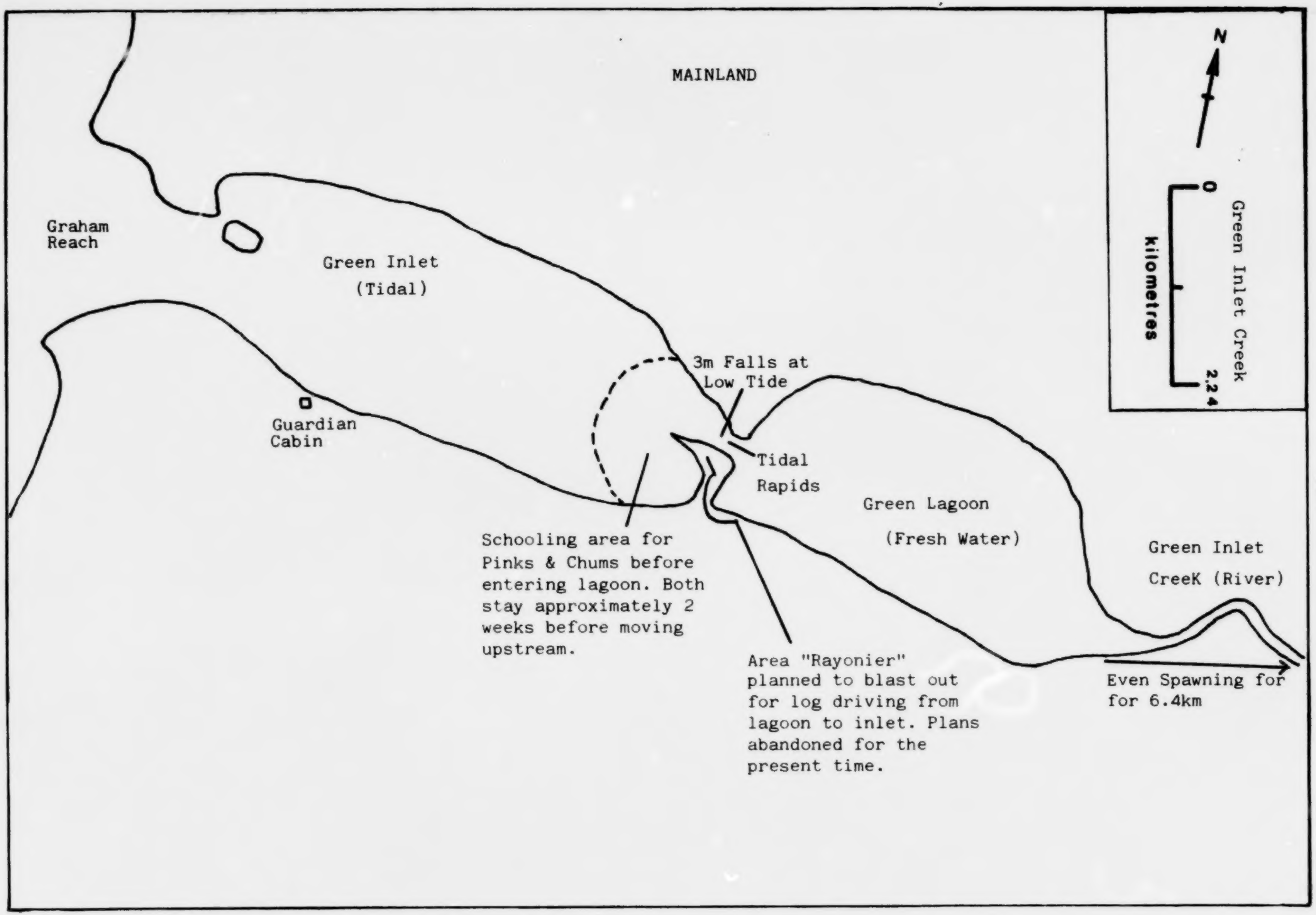
-1966. One of the best pink producers in Area 6

-1967. Rayonier Canada Ltd. made application to remove rock formations at the end of the inlet for a log chute. Action would lower water levels in the lagoon and river

-1968. Rayonier Canada Ltd. abandoned plans to blast lagoon outfall rocks

GENERAL REMARKS (cont'd) Green Inlet Creek

at the head of Green Inlet
-1971. Spawning conditions were ideal and an excellent odd-year pink escapement was realized
-1975. Excellent potential - capable of supporting more fish than it does at present
-1976. Early spawning occurred during a high water period, so some loss of spawn possible due to freezing
-1978. November flooding may have caused some scouring and erosion to stream
- Good spawning gravel
- Clear water
- Subject to seasonal fluctuations in water levels
- Some predation by bears, birds, and seals


MAINLAND
Graham Reach
Green Inlet (Tidal)
Guardian Cabin
3m Falls at Low Tide
Tidal Rapids
Green Lagoon (Fresh Water)
Green Inlet CreeK (River)
Even Spawning for for 6.4km
Schooling area for Pinks & Chums before entering lagoon. Both stay approximately 2 weeks before moving upstream.
Area "Rayonier" planned to blast out for log driving from lagoon to inlet. Plans abandoned for the present time.
N
Green Inlet Creek
0
2.24
kilometres

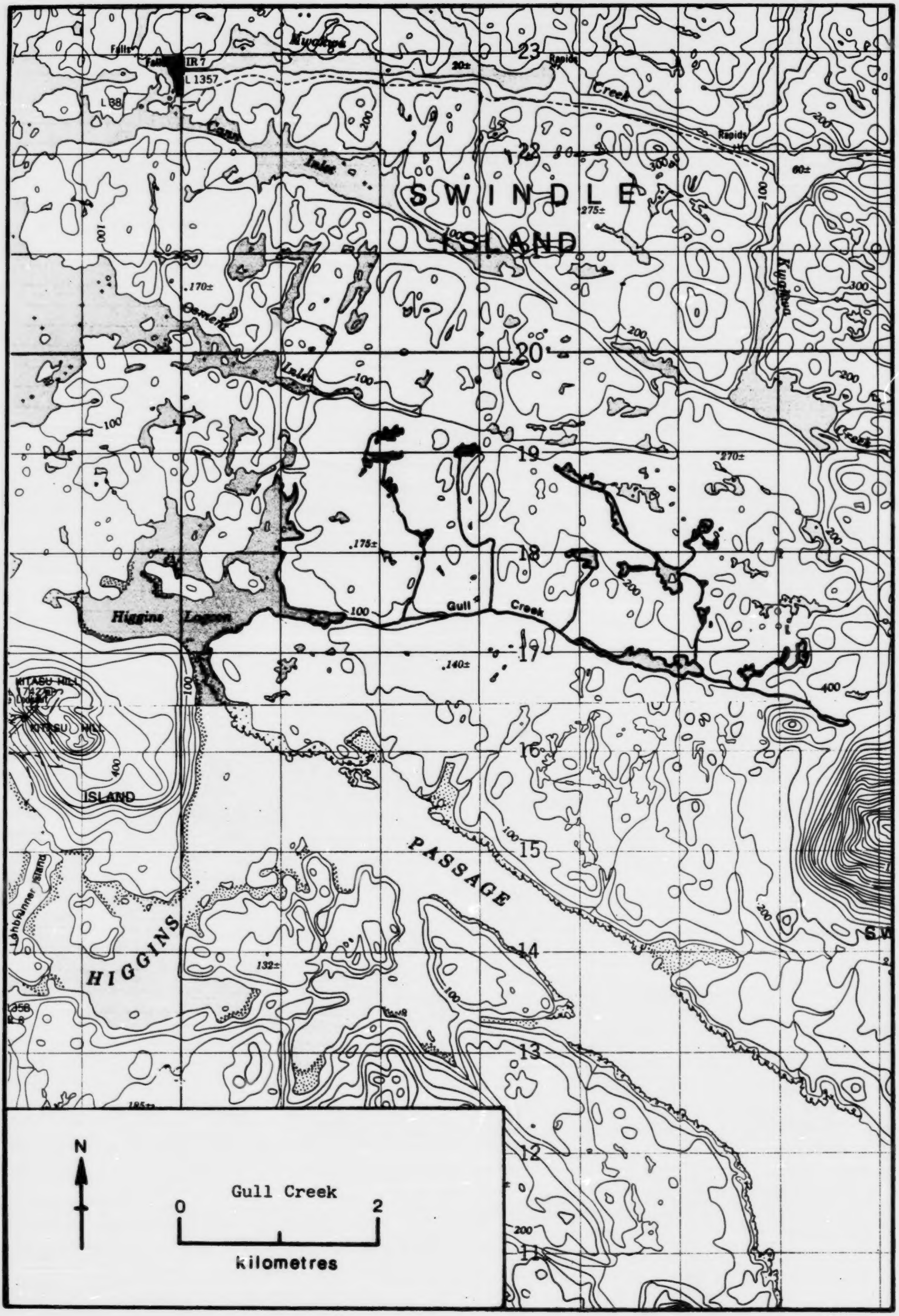
ESCAPEMENT RECORD FOR GREEN INLET CREEK (Green River)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	3500	1500	
48						
49			3500	1500	3500	
50			750	7500	3500	
51			2500	4000	4500	
52						
53			750	3500	1500	
54			750	1500	750	
55			750	750	3500	
56			1500	3500	7500	
57			75	750	25	
58			75	3500	3500	
59			25	75	3500	
60			75	7500	7500	
61			75	7500	15000	
62			200	7500	75000	
63			750	7500	35000	
64			1500	7500	75000	
65			3500	7500	15000	
66			N/0	8000	100000	
67			200	15000	3500	
68			3500	7500	15000	
69			5300	7100	8500	
70			1500	3500	15000	
71			2500	3000	16000	
72			3500	6000	35000	
73			1000	15000	25000	
74			2000	5000	11000	
75			1000	5500	10000	
76			1000	3000	17000	
77			700	750	2000	
78			250	8500	3000	
79			300	1200	1300	
80						
81						
82						
83						
84						
85						

TIMING:

ARRIVE			AUG	E AUG	JULY	
START			AUG	AUG	AUG	
PEAK			SEPT	SEPT	SEPT	
END			NOV	L SEPT	L SEPT	

REMARKS


Falls
Falls
IR 7
L 1357
L 38
23
Rapids
20±
Creek
Rapids
22
Cann
Inlet
SWINDLE
ISLAND
275±
300
60±
170±
Inlet
20
Creek
19
270±
175±
18
Higgins Lagoon
Gull
Creek
17
140±
400
KITASU HILL
742
KITASU HILL
ISLAND
16
15
PASSAGE
Lohbrunner Island
HIGGINS
132±
14
13
12
11
100
200
N
Gull Creek
0
2
kilometres

NAME OF STREAM (Gull Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Higgins Lagoon at head of Higgins Passage, Rge. 3, Coast Dist. POSITION 52°30"N 128°45"W

LENGTH 8.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and tributaries
CHINOOK	
COHO	- location unknown
CHUM	- throughout lower reaches
PINK (ODD YEAR)	- throughout lower reaches
PINK (EVEN YEAR)	- throughout lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Well protected stream with poor accessibility, therefore run should be larger than it is

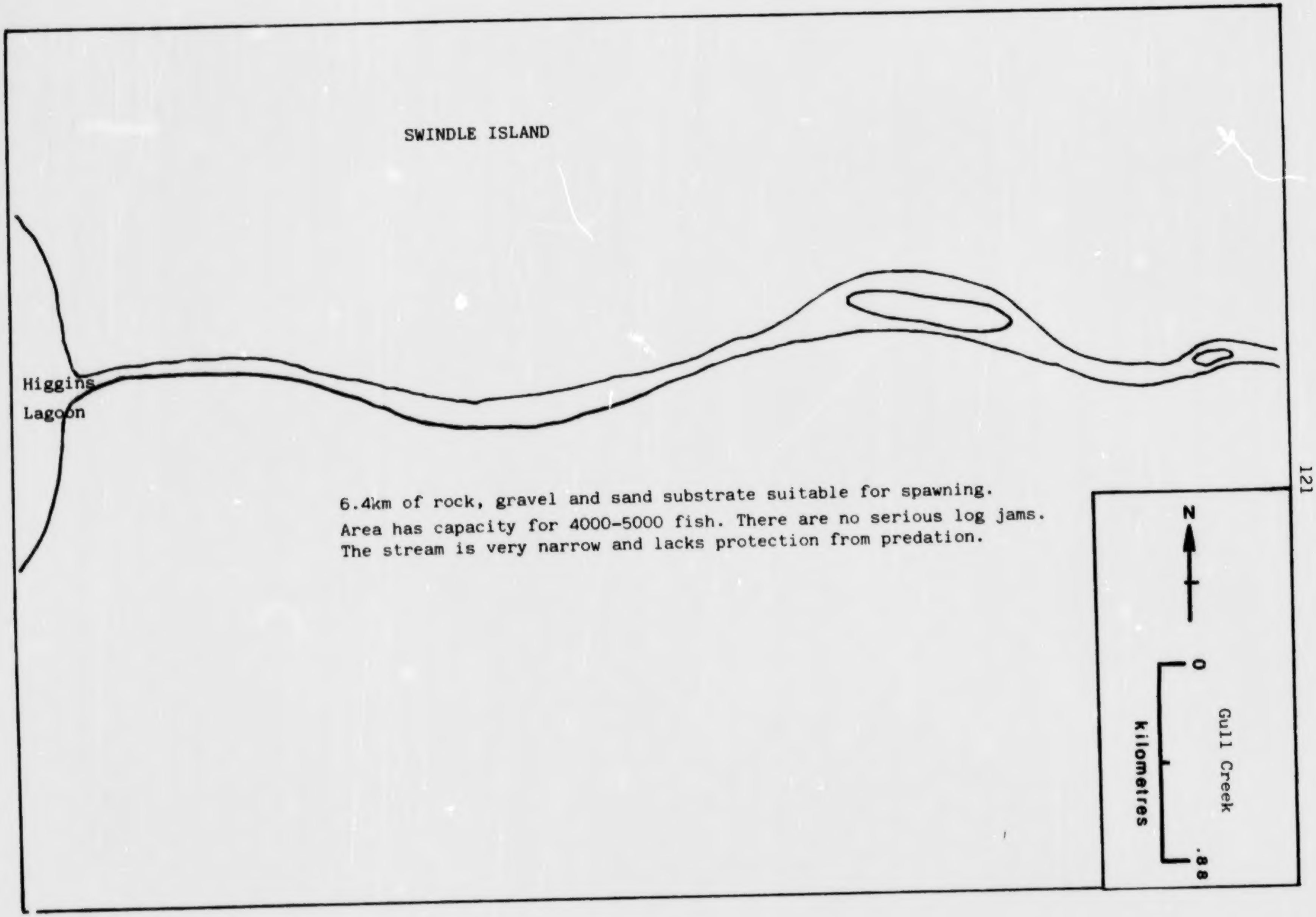
-1957. Chums observed in salt water lagoon in early October

-1973. First time sockeye observed since 1964. Poor observation conditions

-1974. High water impaired accurate observation of coho

-1979. The historical low production of this stream does not justify stream clearance expenditures for removing beaver dams

- Subject to normal seasonal fluctuations in water levels
- Predation by bears, wolves, and birds. Sculpins prey on eggs


SWINDLE ISLAND
Higgins
Lagoon
Gull Creek
N
0
.88
kilometres

6.4km of rock, gravel and sand substrate suitable for spawning. Area has capacity for 4000-5000 fish. There are no serious log jams. The stream is very narrow and lacks protection from predation.

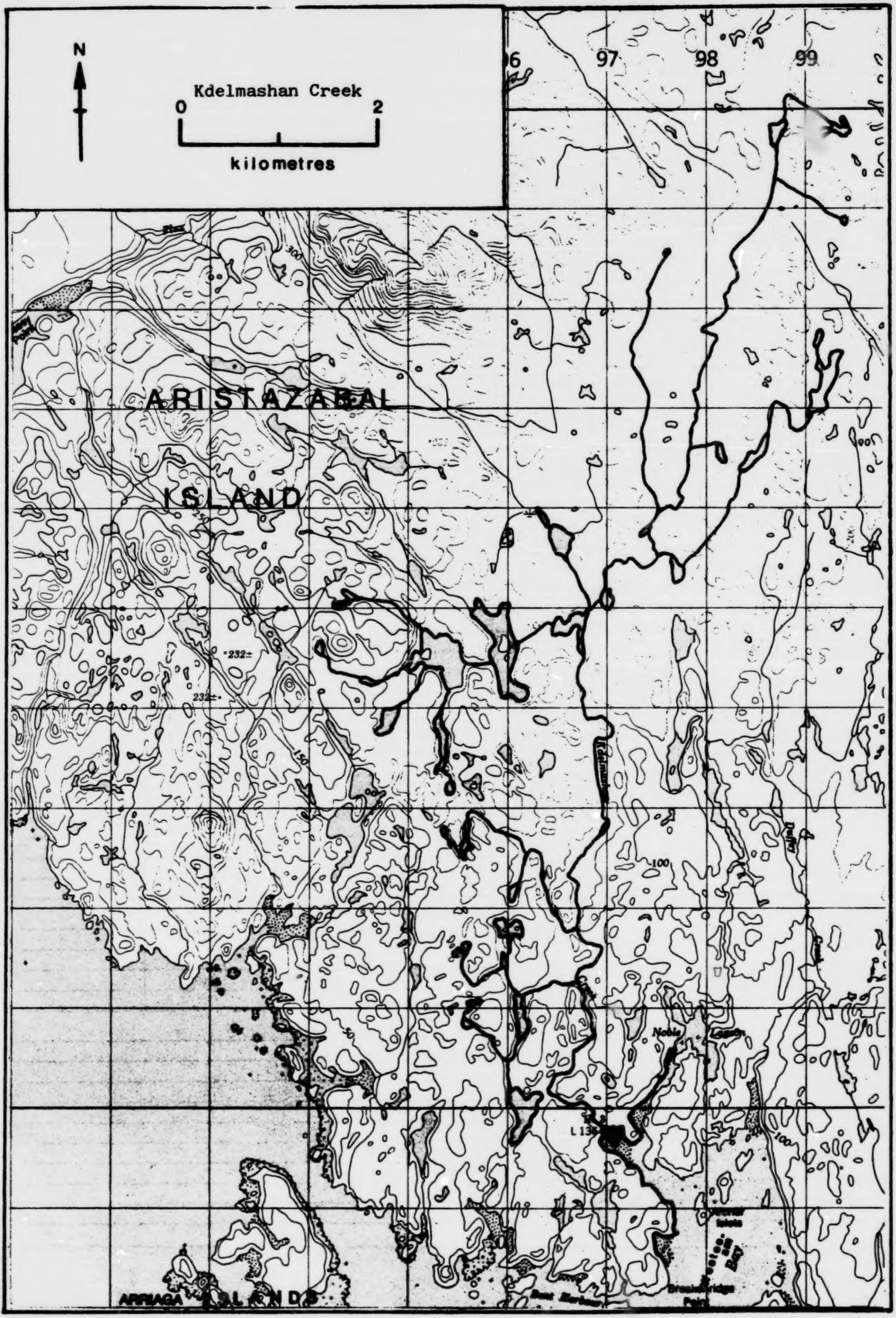
ESCAPEMENT RECORD FOR (Gull Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			200	7500	200	
48			25		750	
49			25	750	25	
50			25	750	200	
51			50	100	75	
52					400	
53			1500	1500	750	
54			25	400	400	
55			200	400	200	
56			25	400	400	
57			N/O	N/O	N/O	
58	25		25	75	25	
59	400		750	400	750	
60			200	750	7500	
61	25		25	75	25	
62	75		750	25	750	
63	N/O		200	400	25	
64	N/O		75	200	750	
65			NOT INSPECTED			
66	N/O		N/O	N/O	N/O	
67	N/O		N/O	750	N/O	
68			N/O	750	750	
69			N/O	N/O	N/O	
70			N/O	N/O	400	
71			N/O	200	25	
72			N/O	75	75	
73	400		N/O	1500	25	
74	200		N/O	25	200	
75				50	50	
76				N/O	N/O	
77				200	20	
78						
79			N/O	N/O	N/O	
80			NOT INSPECTED			
81						
82						
83						
84						
85						

TIMING						
ARRIVE				E. SEPT	E. SEPT	
START				SEPT	SEPT	
PEAK				SEPT	SEPT	
END				OCT	OCT	

REMARKS

- 1957. Stream was almost dry during spawning period.


N
Kdelmashan Creek
0
2
kilometres
96
97
98
99
300
ARISTAZABAL
ISLAND
232±
232±
150
100
Noble
Lagoon
L 136
100
Breckenridge Point
ARRIAGA ISLANDS

NAME OF STREAM KDELMASHAN CREEK (Lagoon Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into head of Weeteeam Bay. Rge. 3. Coast Dist.

POSITION 52°N 128°W

LENGTH 14.5 km WIDTH ______ m DRAINAGE ______ km^2

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ m^2 SPAWNING AREA ______ m^2

DISCHARGE (m^3/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and tributaries
CHINOOK	
COHO	- throughout
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1957. Very low water levels. Chums spawned in tidal water at mouth

-1958. Sockeye observed in bay, but none appeared in the stream

-1960. Surveyed feasibility of removing log jam located 1.2 km from the mouth

-1961. Log jam removed

-1967. About 90% of fish spawn in Kdelmashan Creek tributaries rather than the creek. This system is one of the best sockeye producers on Aristazabal Is. and supports the Klemtu Indian fishery each May and June

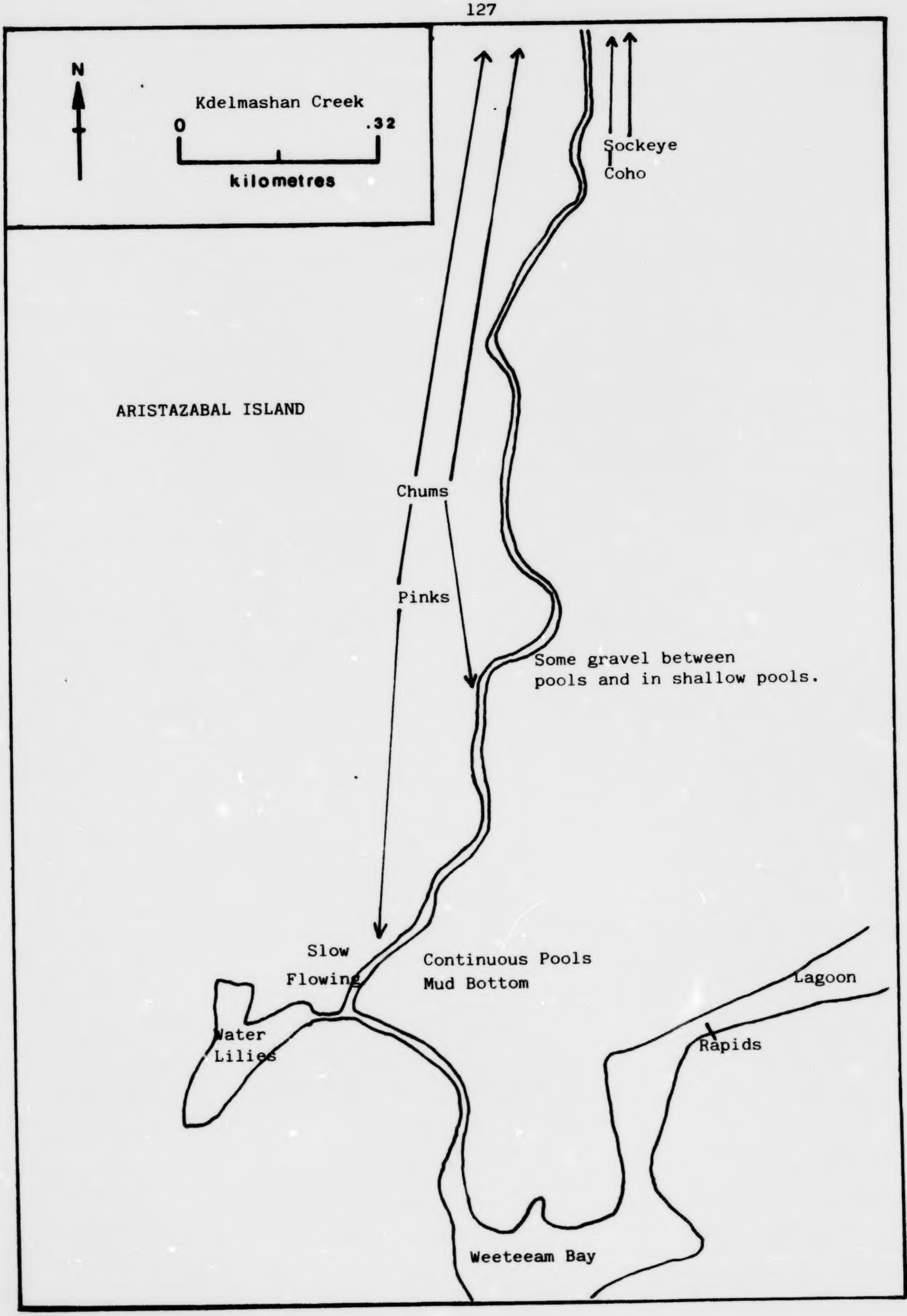
-1968. Turbid water hampered escapement enumeration, and limited it to the mouth and headwater areas

-1971. Light net fishing in Weeteeam Bay during July resulted in high sockeye escapements

-1977. Decided to file stream records by N.T.S. map name to avoid confusion

GENERAL REMARKS (cont'd) Kdelmashan Creek

-1978, 1980. Flooding may have caused some scouring and erosion to the system
-1979-1980. Access to upper reaches was difficult due to water conditions
- Good spawning gravel
- Subject to seasonal fluctuations in water levels
- Some predation by wolves, otters, and birds

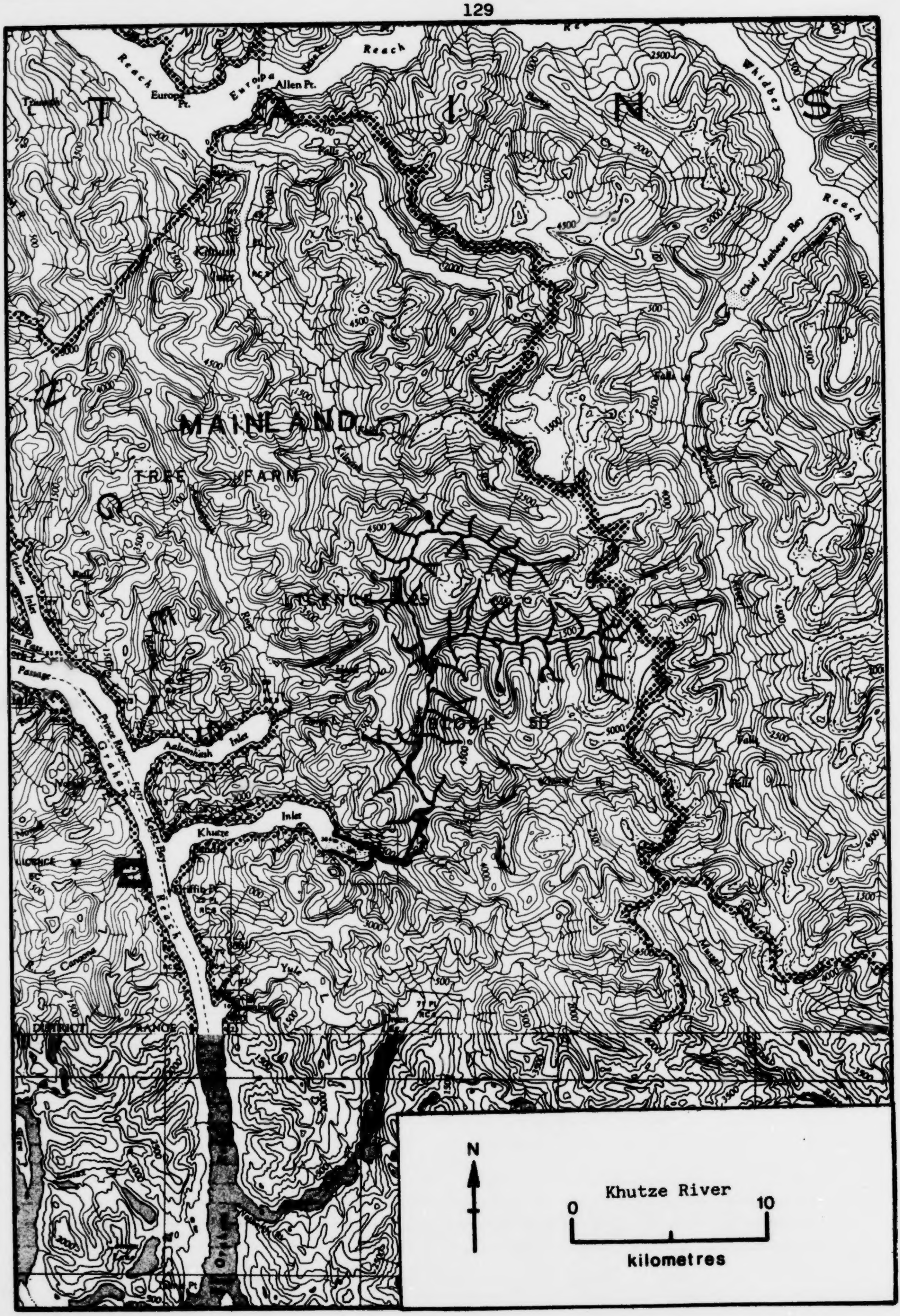

N
Kdelmashan Creek
0
.32
kilometres
ARISTAZABAL ISLAND
Sockeye
Coho
Chums
Pinks
Some gravel between
pools and in shallow pools.
Slow
Flowing
Continuous Pools
Mud Bottom
Lagoon
Water
Lilies
Rapids
Weeteeam Bay

ESCAPEMENT RECORD FOR KDELMASHAN CREEK (Lagoon Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			NO	RECORD		
48			NO	RECORD		
49			750	3500	1500	
50			25	400	200	
51			500	3300	1700	
52					750	
53			750	3500	200	
54			1500	7500	750	
55			1500	3500	25	
56			1500	3500	3500	
57			1500	3500	400	
58	UNK		1500	3500	750	
59	750		3500	75	400	
60			750	3500	75	
61			750	400	7500	
62			750	1500	400	
63	750		750	200	7500	
64	400		750	1500	N/0	
65	UNK		750	750	N/0	
66	N/0		N/0	N/0	N/0	
67	1500		750	3500	750	
68	400		400	3500	7500	
69	500		200	2000	700	
70	400		200	1500	3500	
71	1500		750	N/0	3500	
72	400		1600	250	4000	
73	3000		300	2000	N/0	
74	1800		400	400	5000	
75	700		1200	1400	1500	
76	400		300	1550	20000	
77	450		140	3000	N/0	
78	100		400	1500	12000	
79	750		400		N/0	
80	400		100	100	500	
81						
82						
83						
84						
85						

TIMING						
ARRIVE	L. JUNE		M. SEPT	E. SEPT	E. SEPT	
START	L. SEPT		SEPT	E. SEPT	M. SEPT	
PEAK	L. SEPT		OCT	L. SEPT	L. SEPT	
END	L. OCT		NOV	OCT	L. OCT	

REMARKS


Reach
Europa Pt.
Allen Pt.
Whidbey
Reach
Chief Mathews Bay
MAINLAND
TREE FARM
Falls
Aaltanhash Inlet
Khutze Inlet
Graham Reach
Yule L.
DISTRICT
RANGE
N
Khutze River
0
10
kilometres

NAME OF STREAM KHUTZE RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Khutze Inlet, Rge. 4, Coast Dist.

POSITION 53°N 128°W

LENGTH 11.5 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 9.5 km on the left fork and at 9.0 km on the right fork

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	- approximately 9 km upstream
COHO	- approximately 9 km upstream
CHUM	- lower reaches
PINK (ODD YEAR)	- mostly lower reaches
PINK (EVEN YEAR)	- mostly lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Dolly Varden observed feeding on salmon spawn. Chinook observed by local resident. Sockeye most likely a stray

-1951. Dolly Varden frequent 1st 0.8 km of stream

-1962. Slide above falls in July. River moved west. There were no apparent effects on spawning grounds below cascades

-1965. Stream warrants examination

-1966. Fisheries officers suggested use of a helicopter for future surveys

-1968. Construction of mining road caused no stream quality problems and saw little use

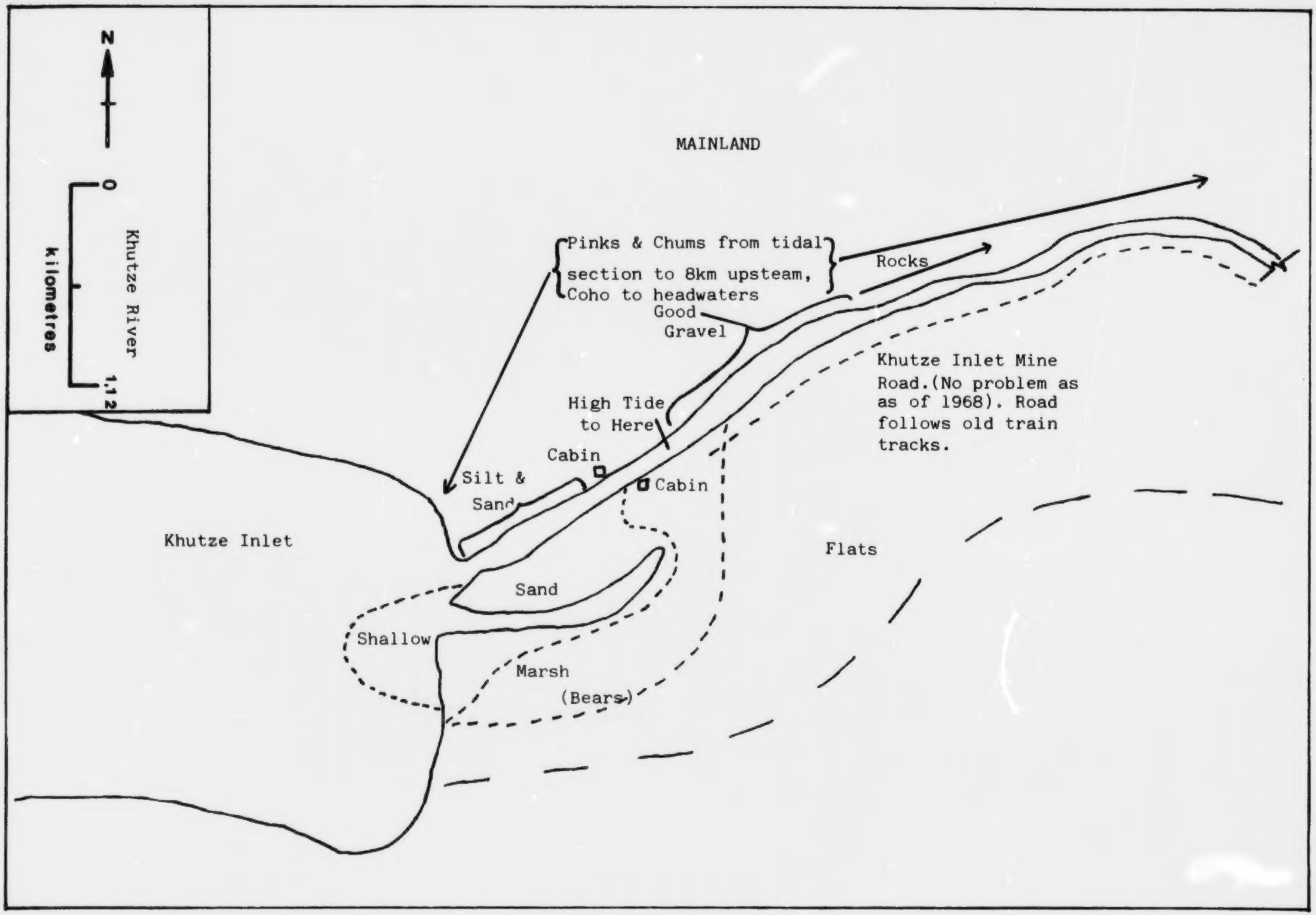
-1975. Good potential

-1978, 1980. Possible damage by winter floods

-1979. Silty conditions impaired enumeration

GENERAL REMARKS (cont'd) Khutze River

- Due to glacial origin stream is subject to silting and generally muddy
- Subject to seasonal fluctuations in water levels
- Some predation by bears, seals and birds. Dolly Varden prey on eggs near the river mouth


Khutze River
N
0
1,12
kilometres
MAINLAND
Pinks & Chums from tidal section to 8km upsteam, Coho to headwaters
Rocks
Good Gravel
Khutze Inlet Mine Road.(No problem as as of 1968). Road follows old train tracks.
High Tide to Here
Cabin
Cabin
Silt & Sand
Khutze Inlet
Sand
Flats
Shallow
Marsh
(Bears)

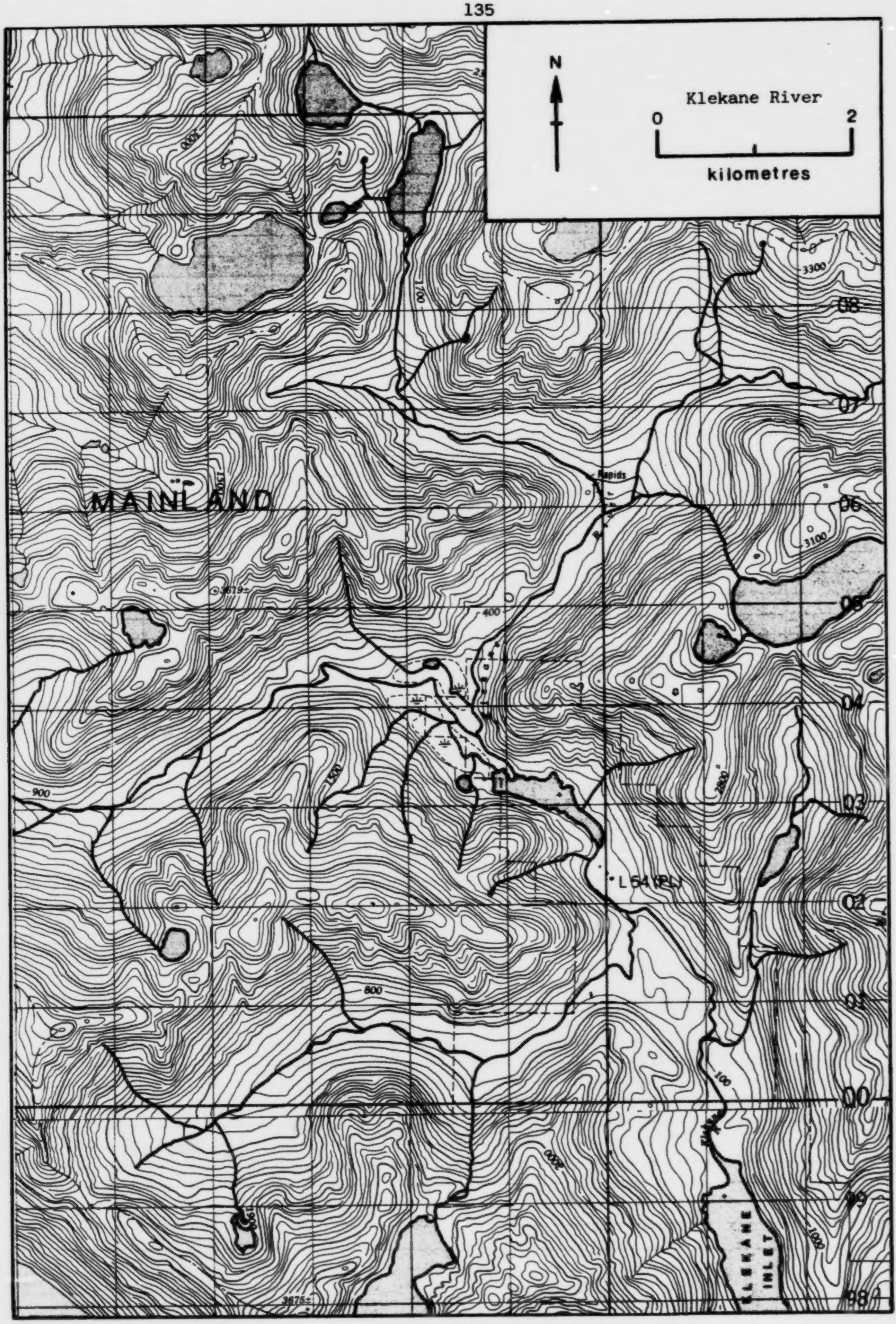
ESCAPEMENT RECORD FOR KHUTZE RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	7500	15000	
48			1500		15000	
49		1500	750	3500	15000	
50	25	1500	400	750	3500	
51		1500	1500	6000	18000	
52					3500	
53		1500	400	3500	1500	
54		750	1500	750	3500	
55		1500	400	750	3500	
56		750	1500	750	3500	
57		25	N/O	750	400	
58		1500	400	400	3500	
59		25	200	400	1500	
60		25		3500	3500	
61		25	1500	25	15000	
62		N/O	N/O	3500	15000	
63		1500	7500	3500	15000	
64		1500	7500	7500	35000	
65		1500	3500	1500	75000	
66		N/O	1000	2500	22000	
67		200	75	750	N/O	
68		N/O	400	1500	7500	
69		N/O	N/O	1000	500	
70		N/O	75	1500	7500	
71		25	400	5000	15000	
72		N/O	400	4000	15000	
73		N/O	200	40000	20000	
74		N/O	400	7000	10000	
75		N/O	200	5000	8000	
76		20	5000	200	20000	
77		30	600	150	2200	
78		10	300	1100	700	
79		N/O	400	500	8000	
80		60	200	50	750	
81						
82						
83						
84						
85						

TIMING

ARRIVE		M. JULY	L. AUG	M. AUG	M. AUG	
START		E. AUG	M. SEPT	M. AUG	L. AUG	
PEAK		M. AUG	OCT	M. SEPT	M. SEPT	
END		SEPT	NOV	L. SEPT	L. SEPT	

REMARKS


N
Klekane River
0
2
kilometres
MAINLAND
Rapids
L54(PL)
KLEKANE INLET
3300
3100
2800
2000
1700
1500
1000
900
800
400
100
3619±
3675±
08
07
06
05
04
03
02
01
00
99
98

NAME OF STREAM KLEKANE RIVER

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Klekane Inlet, Rge. 4, Coast Dist.

POSITION 53° 128° SW.

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.4 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

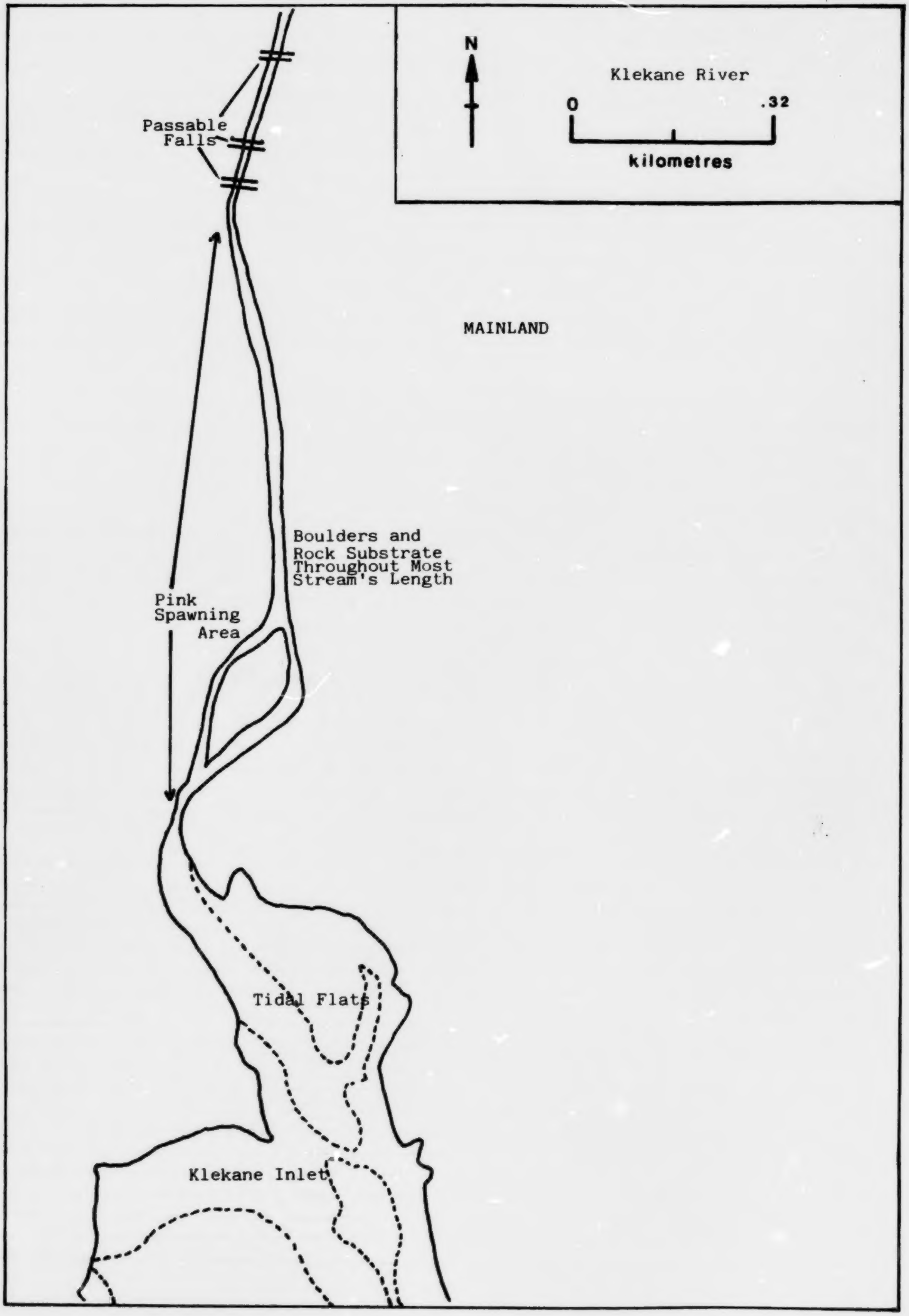
-1951. Light escapement

-1957. Lower portion has good spawning habitat for pinks and chums. 1956-1957 closure helped protect stocks

-1967. Rocky upper reaches dried up during 1965 summer drought resulting in poor pink and coho returns in 1967

-1980. Flooding in late December

- Lower 2.4 km has good spawning habitat
- Limited predation
- Subject to seasonal fluctuations in water levels

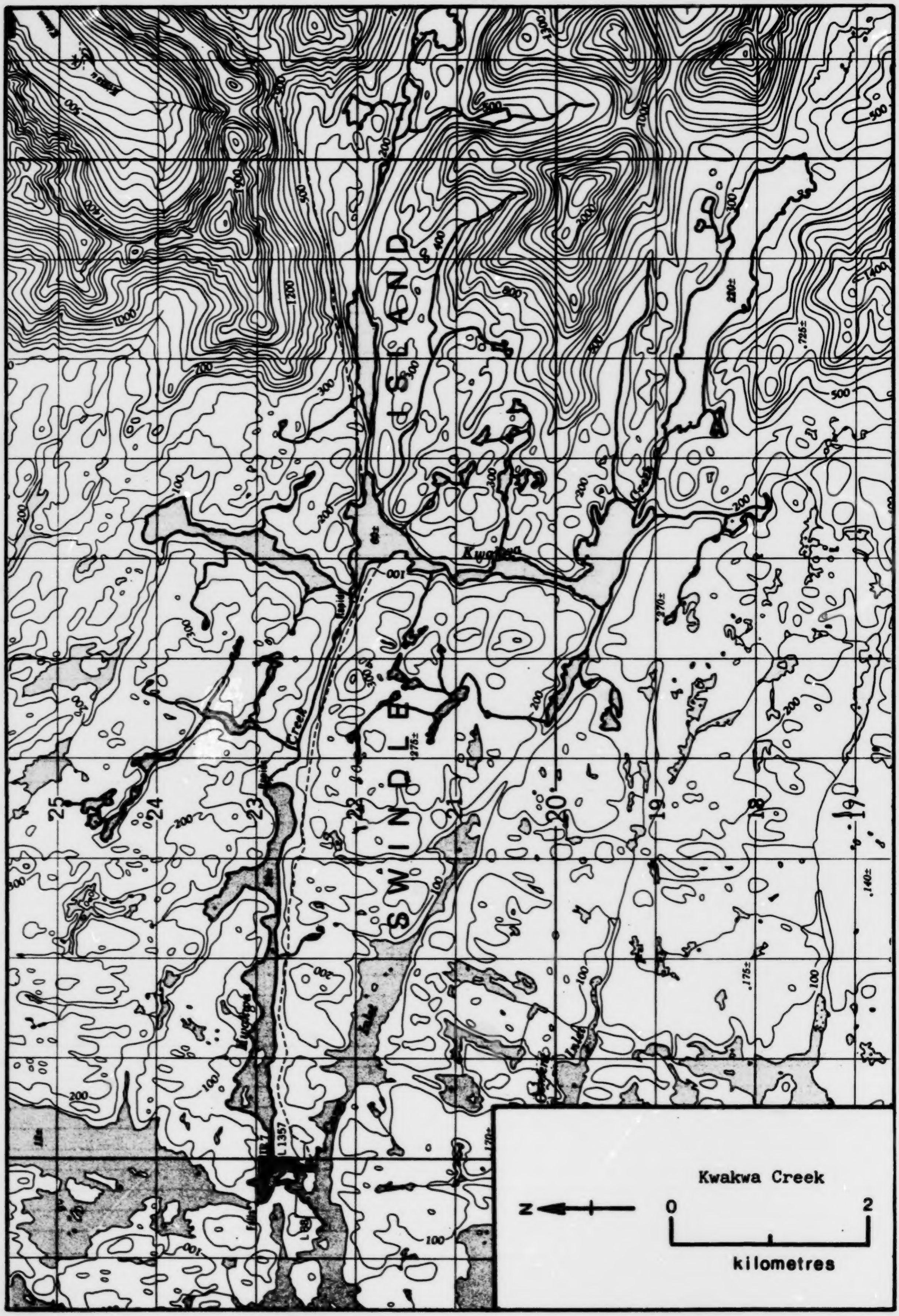

N
Klekane River
0
.32
kilometres
Passable Falls
MAINLAND
Boulders and Rock Substrate Throughout Most Stream's Length
Pink Spawning Area
Tidal Flats
Klekane Inlet

ESCAPEMENT RECORD FOR KLEKANE RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			400	750	400	
48			400		7500	
49			1500	750	1500	
50			75	200	3500	
51			400	700	900	
52					3500	
53			75	200	750	
54			400	200	3500	
55			75	400	3500	
56			75	400	1500	
57				400	75	
58			400	200	1500	
59			400	200	400	
60				750	3500	
61			400	400	3500	
62			3500	7500	15000	
63			7500	750	15000	
64			400	750	15000	
65			1500	750	7500	
66			300	N/O	200	
67			N/O	N/O	N/O	
68			N/O	N/O	7500	
69			50	N/O	250	
70			N/O	N/O	1500	
71			N/O	25	1500	
72			N/O	N/O	800	
73			N/O	50	500	
74			N/O	1500	800	
75				1100	7200	
76				N/O	2300	
77			50	N/O	800	
78				50	800	
79			N/O	10	2500	
80				25	400	
81						
82						
83						
84						
85						

TIMING						
ARRIVE				M. AUG	M. AUG	
START				L. AUG	M. AUG	
PEAK				M. SEPT	E. SEPT	
END				L. SEPT	M. SEPT	

REMARKS


SWINDLE ISLAND
Kwakwa
Creek
25
24
23
22
21
20
19
18
17
100
200
300
500
1000
1200
1400
275±
270±
220±
725±
140±
175±
120±
L 1357
L 98
Kwakwa Creek
N
0
2
kilometres

NAME OF STREAM KWA KWA CREEK (Qua Qua Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Kitasu Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW.

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- throughout lake system
CHINOOK	
COHO	- throughout lake system
CHUM	- lower reaches
PINK (ODD YEAR)	- between 1st and 2nd lakes
PINK (EVEN YEAR)	- between 1st and 2nd lakes
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Drag seining at stream mouth

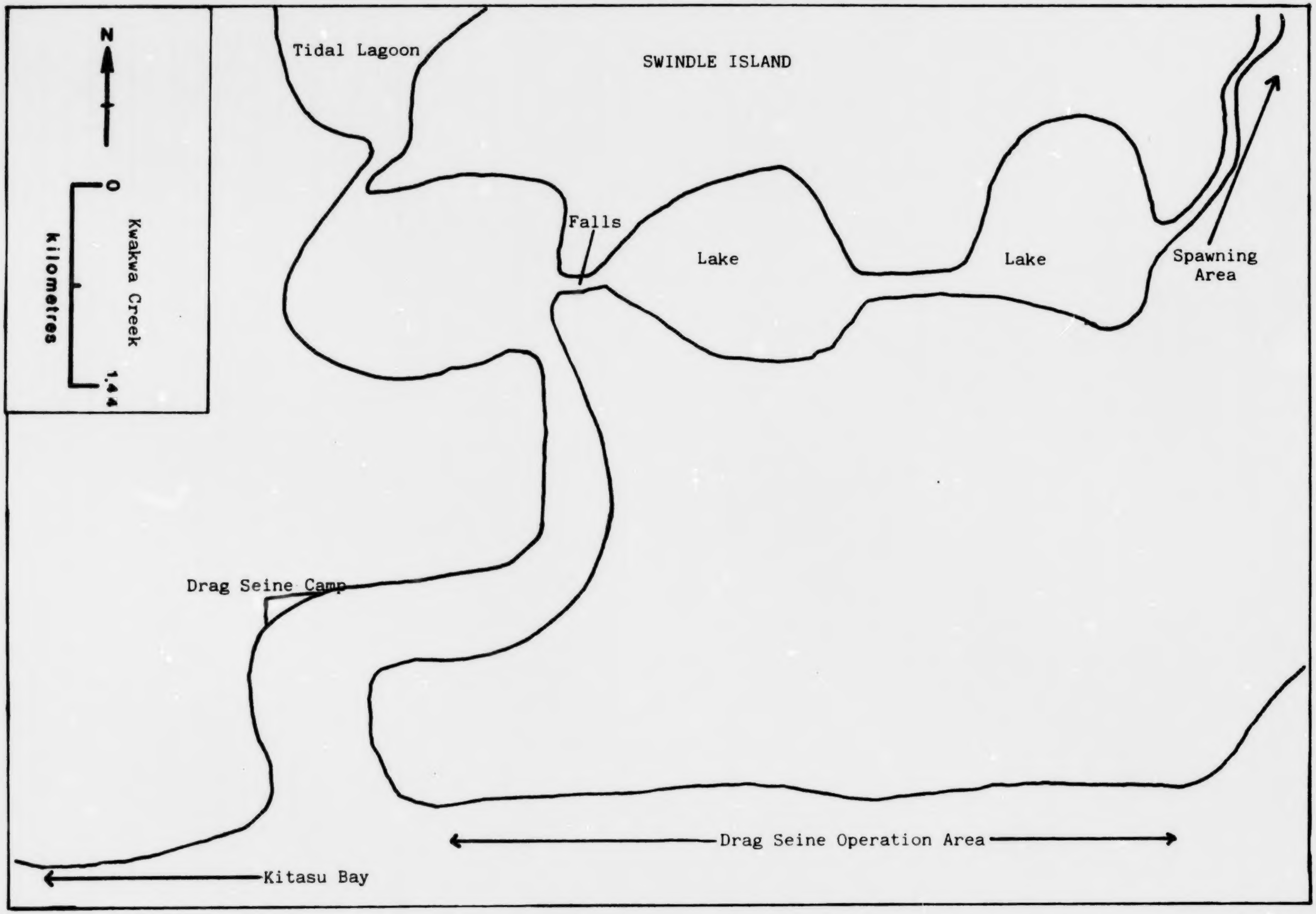
-1950. Successful drag seining - 11,232 sockeye, 669 pink, 743 coho, 285 chum

-1951-1960. Indian drag seining operations at stream mouth

-1961-1968. Very limited drag seining activity

-1969. Recommended that drag seining be suspended to protect Kitasu Bay sockeye

-1970- 1980. Very few spawners observed annually


Tidal Lagoon
SWINDLE ISLAND
Falls
Lake
Lake
Spawning Area
Drag Seine Camp
Drag Seine Operation Area
Kitasu Bay
N
0
1.44
kilometres
Kwakwa Creek

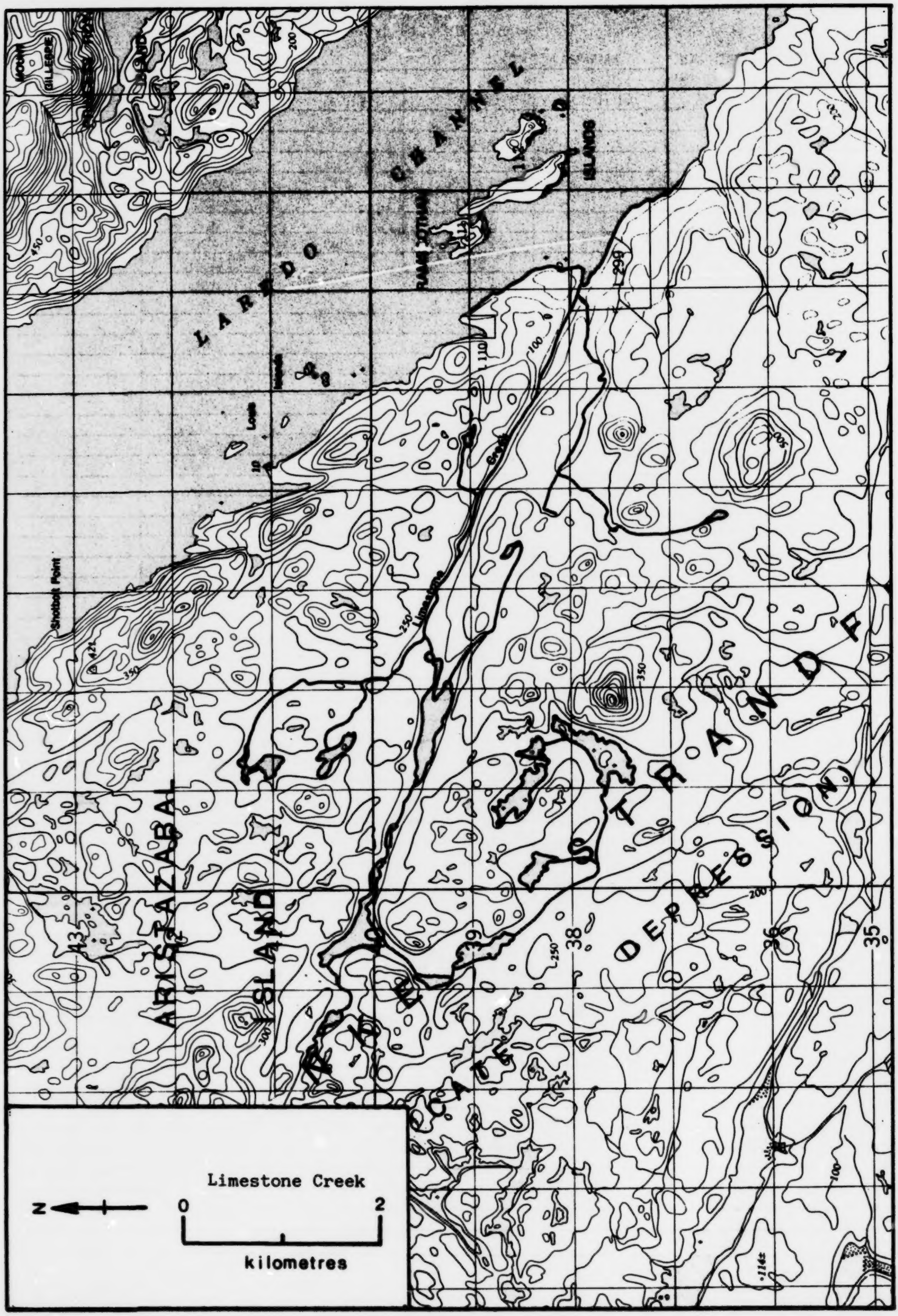
ESCAPEMENT RECORD FOR KWAKWA CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	7500		7500	750	75	
48			3500		75	
49	7500		3500	200	75	
50	15000		750	400	400	
51	6000		2500	400	75	
52					400	
53	3500		1500	200	200	
54	3500		1500	400	400	
55	3500		1500	75	400	
56	1500		1500	200	400	
57	750		1500	750	N/O	
58	1500		200	400	200	
59	7500		25	25	25	
60	3500		200	200	200	
61	750		200	200	750	
62	3500		N/O	25	400	
63	7500		200	75	1500	
64	3500		200	400	200	
65	UNK		UNK	200	400	
66	10000		400	N/O	N/O	
67	7500		400	25	N/O	
68	3500		750	400	1500	
69	N/O		N/O	N/O	N/O	
70	750		N/O	N/O	N/O	
71	200		N/O	N/O	N/O	
72	25		N/O	N/O	N/O	
73	N/O		N/O	N/O	N/O	
74	1000		N/O	N/O	N/O	
75	1000		150			
76	1000		150	12	250	
77	500		100			
78	500		200	N/O	N/O	
79	1000		1500	20	N/O	
80	1000		200	N/O	N/O	
81						
82						
83						
84						
85						

TIMING

ARRIVE	M. JULY		SEPT			
START	L. AUG		L. OCT			
PEAK	M. SEPT		E. NOV			
END	E. OCT		DEC			

REMARKS


MOUNT GILLESPIE
LAREDO CHANNEL
RAMSBOTHAM ISLANDS
Shotbolt Point
ARISTAZABAL ISLAND
HECATE STRANDFLAT
DEPRESSION
Limestone Creek
450
421
350
300
250
200
100
43
39
38
36
35
Limestone Creek
N
0
2
kilometres

NAME OF STREAM (Limestone Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Chan., Rge. 4, Coast Dist.

POSITION 52° 45' 129°05' NW.

LENGTH 5.0 to lake km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and tributaries
CHINOOK	
COHO	- lake outlet and tributaries
CHUM	- lower portion of river
PINK (ODD YEAR)	- from 1.0 km to lake
PINK (EVEN YEAR)	- from 1.0 km to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Surprisingly good escapement inspite of summer drought conditions
-1958. Cleared windfall located 3.2 km upstream from the mouth
-1961. Cleared windfall logs blown down in 1960 and 1961
-1962. Water was turbid as in 1961
-1965, 1966. Surveyed passable log jams
-1967. Good spawning conditions in tributary streams
-1968. A mining company has located at the mouth of this stream. No problems are envisioned if stream is adequately patrolled
-1969. Seasonal inspection noted prolonged spawning season
-1971. Late spawning of pinks, chums, and coho. Excellent pink seeding. Stream is vulnerable to seine fishery conducted at its mouth

GENERAL REMARKS (cont'd) Limestone Creek

-1978, 1980. Flooding may have caused some scouring and erosion to the system
- Rocky stream bed
- Subject to seasonal fluctuations in water levels
- Limited predation by birds

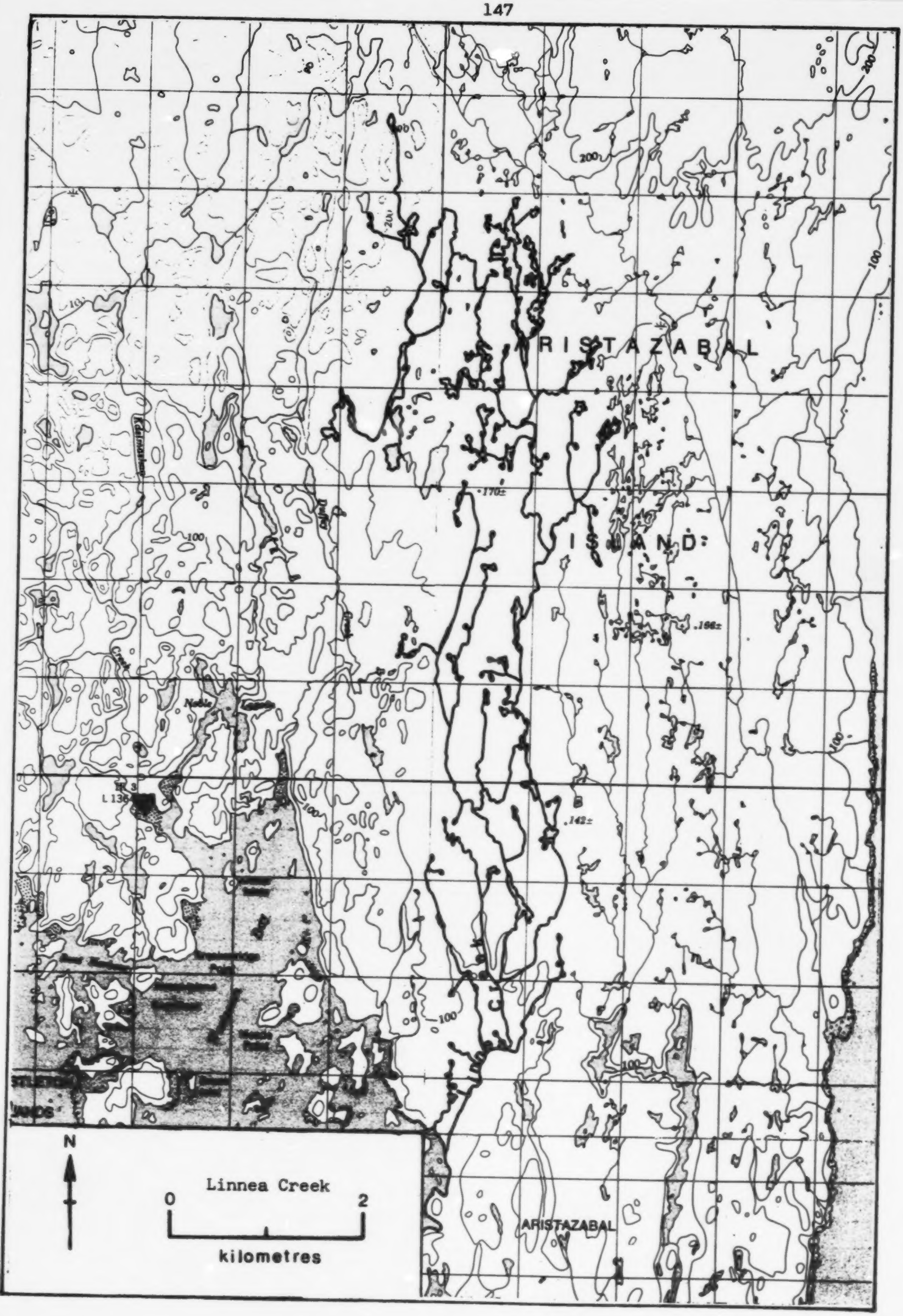
ESCAPEMENT RECORD FOR (Limestone Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	7500	3500	
48			750		750	
49			400	750	400	
50			75	750	750	
51			800	4000	1200	
52					3500	
53			750	1500	750	
54			400	3500	750	
55			1500	1500	1500	
56			1500	750	3500	
57			1500	1500	750	
58			750	3500	7500	
59			750	400	3500	
60			750	1500	3500	
61			1500	750	3500	
62			3500	750	7500	
63			750	400	400	
64			1500	400	3500	
65			1500	1500	400	
66			N/O	N/O	20000	
67			200	1500	7500	
68			400	3500	15000	
69	300		200	600	4000	
70	400		200	750	7500	
71	200		400	400	20000	
72	300		450	N/O	9000	
73	6000		300	1000	17000	
74	1000		350	250	12000	
75	500		300	N/O	10000	
76	200		300	350	25000	
77	UNK		50	500	10000	
78	1500		400	200	9000	
79	500		300	300	30000	
80	20		20	N/O	5000	
81						
82						
83						
84						
85						

TIMING

ARRIVE	M. AUG		E. SEPT	M. SEPT	E. SEPT	
START	M. SEPT		L. SEPT	M. SEPT	M. SEPT	
PEAK	E. OCT		OCT	L. SEPT	L. SEPT	
END	M. OCT		NOV	OCT	OCT	

REMARKS


ARISTAZABAL
ISLAND
200
200
200
100
100
100
100
100
100
.170±
.166±
.142±
Creek
Noble
Lagoon
H 3
L 136
ARISTAZABAL
N
Linnea Creek
0
2
kilometres

NAME OF STREAM (Linnea Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Hecate Strait south of Weeteeam Bay, Rge. 3, Coast Dist. POSITION

LENGTH 6.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to lake and above
CHUM	- to lake
PINK (ODD YEAR)	- near stream mouth
PINK (EVEN YEAR)	- near stream mouth
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

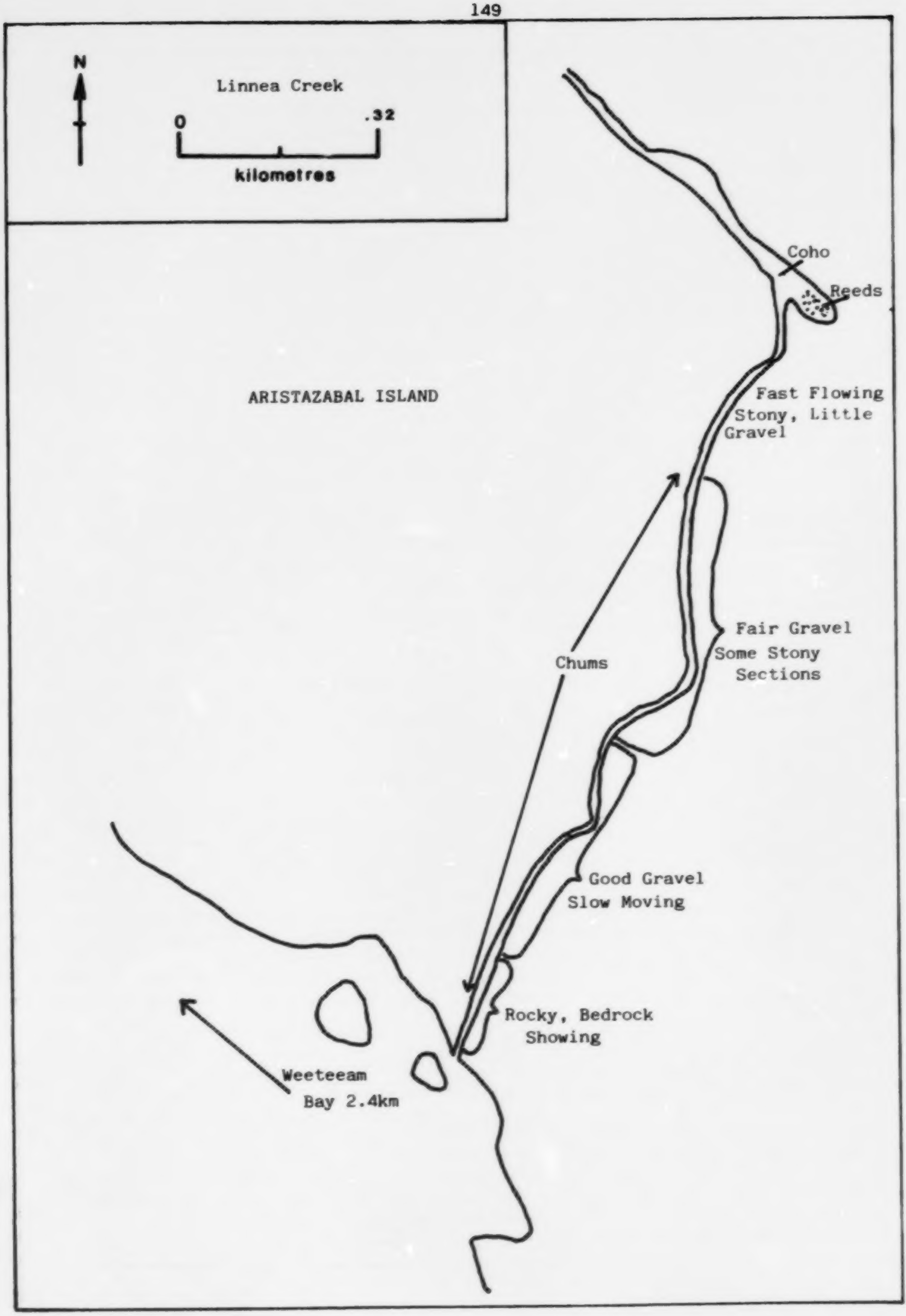
GENERAL REMARKS

-1964. Late spawning reported (Oct. - Nov.)

-1967. Poor spawning first 0.08 km, improves after that. Stable stream bed

-1974, 1978, 1980. Possible scouring and erosion to system caused by floods

- Subject to seasonal fluctuations in water levels
- Limited predation

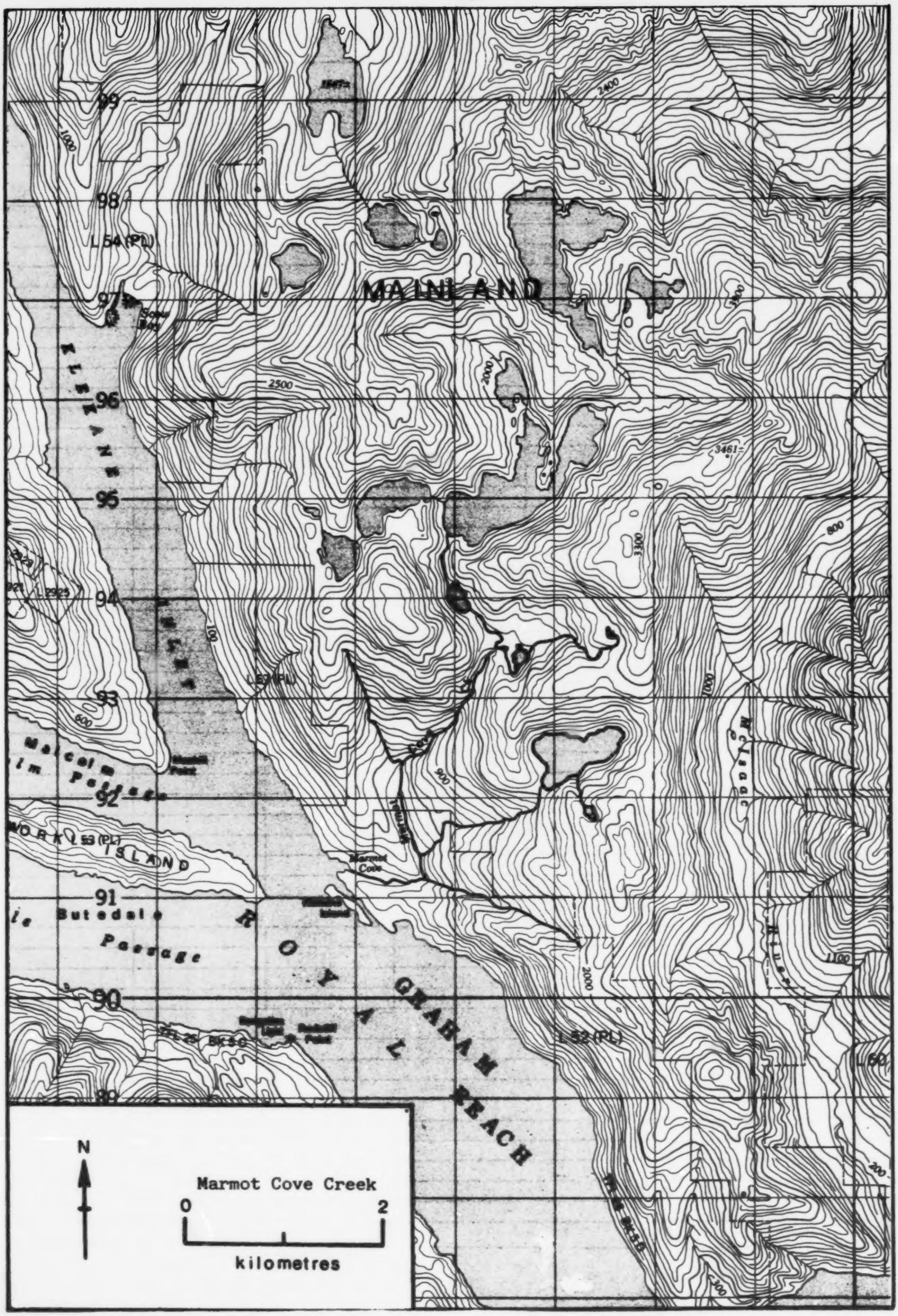

N
Linnea Creek
0
.32
kilometres
ARISTAZABAL ISLAND
Coho
Reeds
Fast Flowing
Stony, Little
Gravel
Chums
Fair Gravel
Some Stony
Sections
Good Gravel
Slow Moving
Rocky, Bedrock
Showing
Weeteeam
Bay 2.4km

ESCAPEMENT RECORD FOR (Linnea Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	7500	400	
48			750		3500	
49			1500	3500	1500	
50			75	3500	400	
51			1000	1300	600	
52					1500	
53			750	1500	200	
54			750	3500	400	
55			1500	1500	400	
56			1500	750	3500	
57			750	1500	400	
58			750	3500	750	
59			750	75	400	
60			200	1500	750	
61			750	750	400	
62			200	400	750	
63			200	200	400	
64			NOT	INSPECTED		
65			750	1500	1500	
66			N/O	600	N/O	
67			25	1500	N/O	
68			200	1500	N/O	
69			150	1300	N/O	
70			N/O	750	N/O	
71			25	75	N/O	
72			450	50		
73			N/O	200	N/O	
74			N/O	30	N/O	
75			125	340	N/O	
76			200	2200	100	
77			20	502	50	
78			N/O	1000	75	
79			N/O	2500	N/O	
80			N/O	500	N/O	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT	E. SEPT		
START			L. OCT	M. SEPT		
PEAK			E. NOV	L. SEPT		
END			DEC	OCT		

REMARKS


MAINLAND
ROYAL
GRAHAM REACH
Butedale
Passage
Malcolm
Passage
ISLAND
L 54 (PL)
L 57 (PL)
L 53 (PL)
L 52 (PL)
L 60
Marmot
Cove
99
98
97
96
95
94
93
92
91
90
2400
2500
2000
3461
3300
1000
800
900
600
1100
2000
200
300
100
N
Marmot Cove Creek
0
2
kilometres

NAME OF STREAM (Marmot Cove Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Klekane Inlet, Rge. 4, Coast Dist.

POSITION 53°10'N 128°40'W

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to 1.0 km
PINK (ODD YEAR)	- to 1.0 km
PINK (EVEN YEAR)	- to 1.0 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Surveyed log windfall debris

-1958. Cleared log debris

-1964. Stock fished heavily beyond protection boundaries

-1978, 1980. Possible scouring and erosion to system resulting from floods

-1980. Recommended clearing log jams to improve spawning habitat

- Small stream, heavily treed, good gravel
- Numerous passable log jams resulting from windfalls
- Subject to seasonal fluctuations in water levels
- Predation by bears and birds

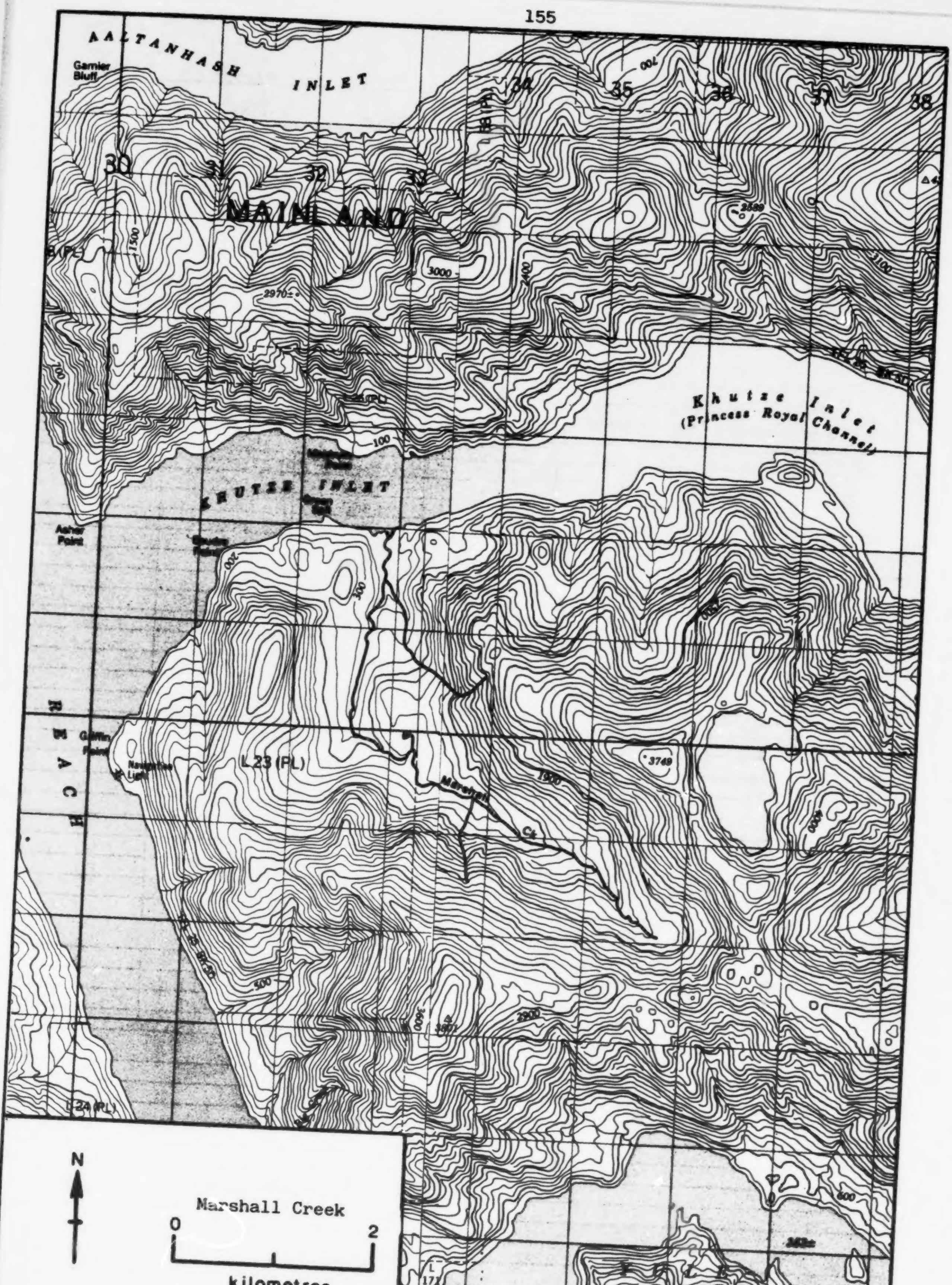
ESCAPEMENT RECORD FOR (Marmot Cove Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52			NO RECORD PRIOR TO 1957			
53						
54						
55						
56						
57				750	400	
58				3500	3500	
59			200	1500	3500	
60			400	1500	15000	
61			200	750	3500	
62			200	3500	15000	
63			3500	7500	7500	
64			25	1500	7500	
65			200	3500	3500	
66			N/O	150	500	
67			75	750	N/O	
68			N/O	750	1500	
69			N/O	6	N/O	
70			N/O	200	400	
71			N/O	25	750	
72			N/O	25	400	
73			N/O	100	400	
74			N/O	1000	350	
75				100	300	
76				20	300	
77				15	15	
78				150	350	
79				75	750	
80				150	1100	
81						
82						
83						
84						
85						

TIMING

ARRIVE				E. SEPT	E. SEPT	
START				E. SEPT	E. SEPT	
PEAK				M. SEPT	M. SEPT	
END				L. SEPT	L. SEPT	

REMARKS


AALTANHASH INLET
Garnier Bluff
30
31
32
33
34
35
36
37
38
MAINLAND
1500
3000
2970
2400
3580
1100
Khutze Inlet
(Princess Royal Channel)
KHUTZE INLET
100
Asher Point
300
R E A C H
Griffin Point
Navigation Light
L23 (PL)
Marshall Ck
1900
3749
500
2900
L24 (PL)
600
N
Marshall Creek
0
2
kilometres

NAME OF STREAM (Marshall Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Khutze Inlet, Rge. 4, Coast Dist.

LENGTH 2.5 km WIDTH m DRAINAGE km²

POSITION 53°05'N 128°35'W

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m²

DISCHARGE (m³/s)

SPAWNING AREA m²

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.5 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- near mouth
CHUM	- near mouth
PINK (ODD YEAR)	- near mouth
PINK (EVEN YEAR)	- near mouth
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Muddy water hampered inspection

-1955. Log jam observed 0.8 km from mouth

-1957. Chum production quite good considering size of stream

-1957-1975. Log debris removed as required to improve fish passage

-1966. Some evidence of late spawning pinks digging up previous spawn in crowded areas

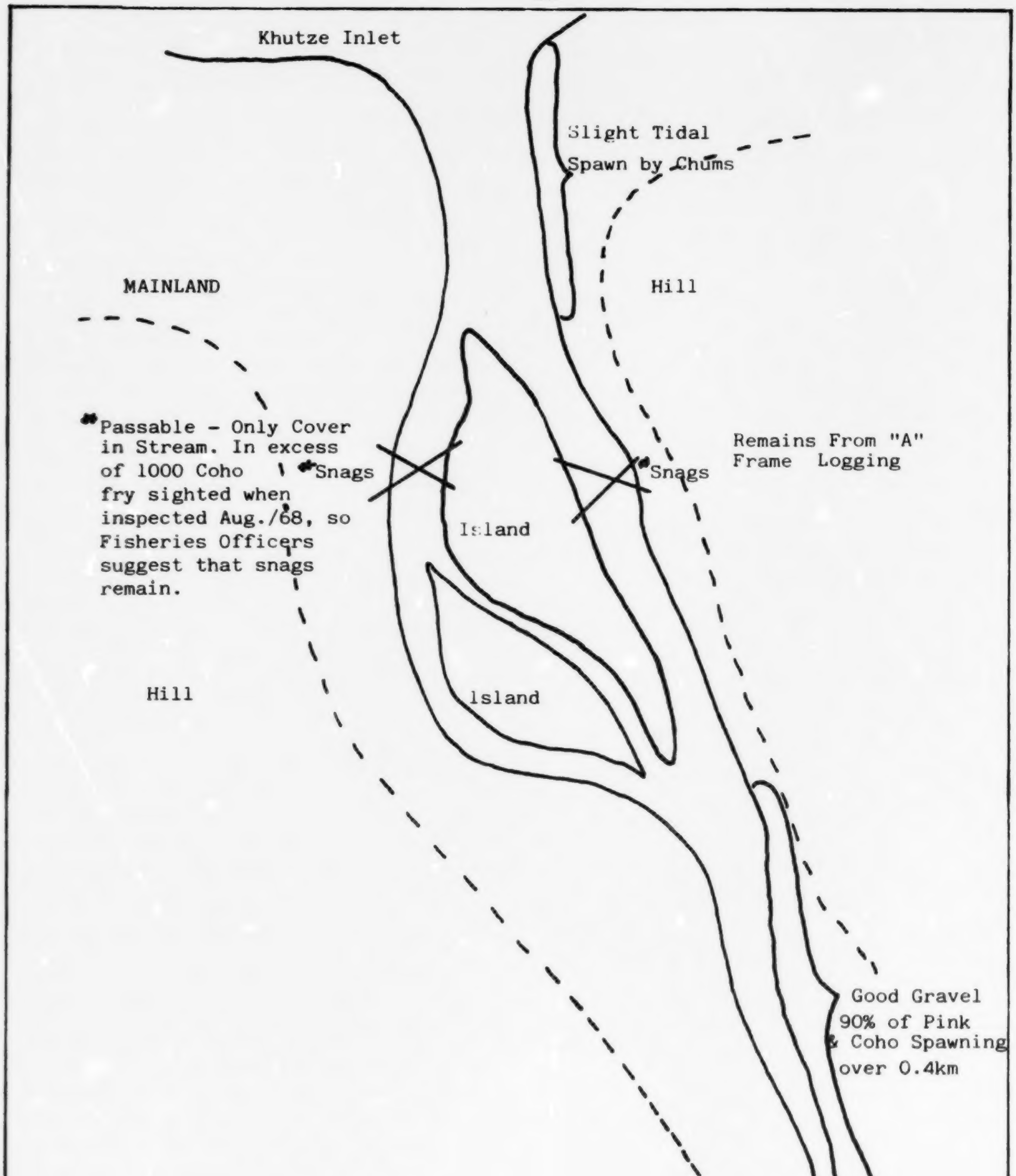
-1969. Good spawning area for 1.6 km from mouth

-1970. Good escapement of pinks

-1978, 1980. Some scouring and erosion caused by winter floods

- Subject to seasonal fluctuations in water levels

- Some predation by bears and birds


Khutze Inlet
Slight Tidal
Spawn by Chums
MAINLAND
Hill
*Passable - Only Cover in Stream. In excess of 1000 Coho fry sighted when inspected Aug./68, so Fisheries Officers suggest that snags remain.
*Snags
*Snags
Remains From "A" Frame Logging
Island
Island
Hill
Good Gravel
90% of Pink & Coho Spawning over 0.4km
1.2km to Mouth
Impassable Falls
N
Marshall Creek
0
0.2
kilometres

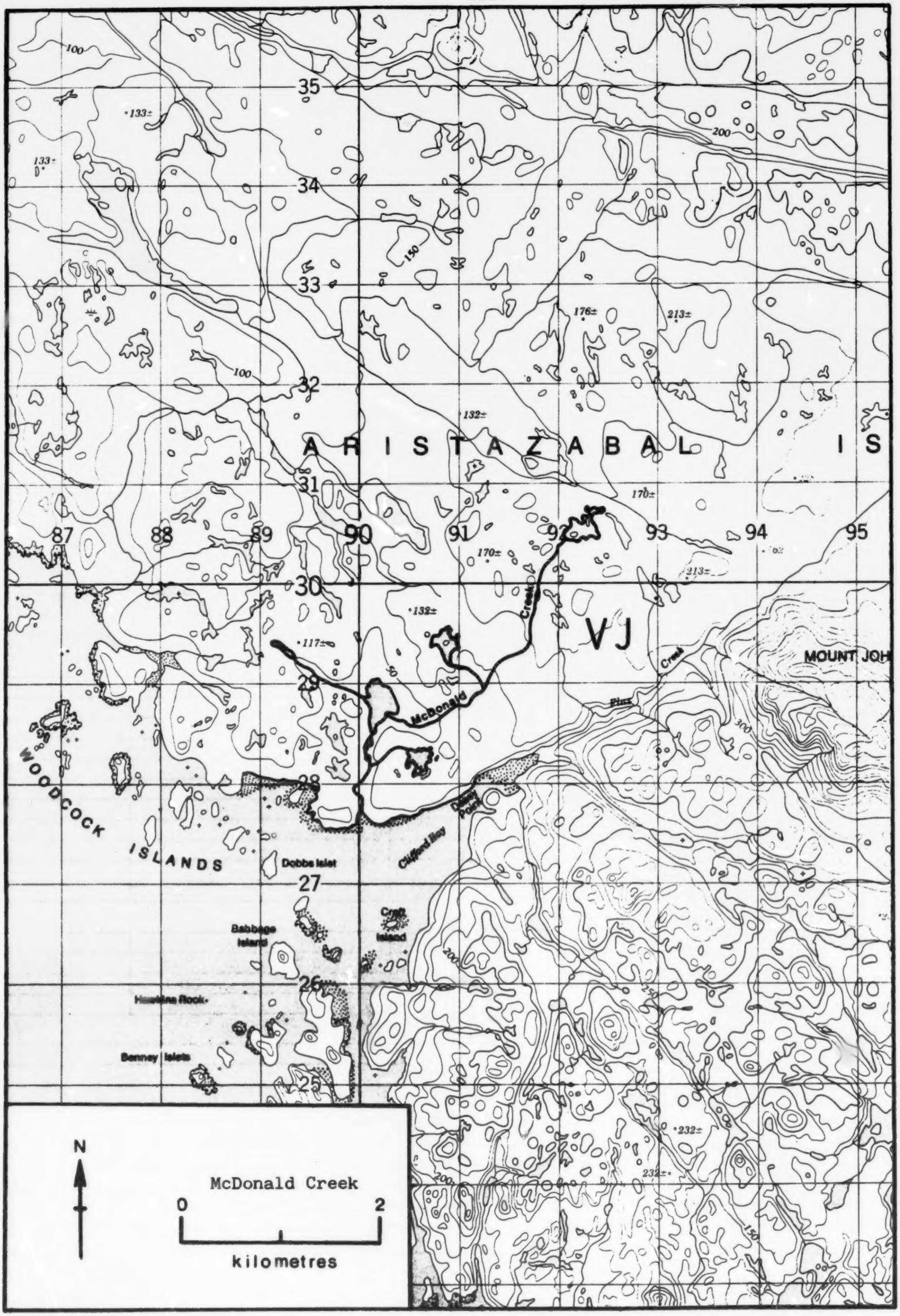
ESCAPEMENT RECORD FOR (Marshall Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947				200	200	
48					750	
49				200	400	
50				75	400	
51				400	350	
52					750	
53				750	1500	
54				750	200	
55			UNK	400	1500	
56				750	750	
57				750	25	
58				750	750	
59			25	200	75	
60				1500	3500	
61			25	1500	3500	
62			25	750	UNK	
63			NOT	INSPECTED		
64			25	1500	3500	
65			NOT	INSPECTED		
66			N/O	100	1200	
67			200	750	400	
68			N/O	25	200	
69			N/O	25	N/O	
70			N/O	200	3500	
71			75	25	200	
72			N/O	N/O	1500	
73			N/O	50	600	
74			N/O	700	600	
75				40	60	
76					N/O	
77				1		
78				25	25	
79			N/O	N/O	N/O	
80					20	
81						
82						
83						
84						
85						

TIMING

ARRIVE				E. SEPT	E. SEPT	
START				E. SEPT	M. SEPT	
PEAK				L. SEPT	L. SEPT	
END				E. OCT	L. SEPT	

REMARKS


ARISTAZABAL IS
VJ
MOUNT JOH
WOODCOCK ISLANDS
Dobbs Islet
Babbage Island
Craft Island
Hankins Rock
Benney Islets
Clifford Bay
Davey Point
McDonald Creek
Flux Creek
87
88
89
90
91
92
93
94
95
35
34
33
32
31
30
29
28
27
26
25
100
133±
150
176±
213±
200
132±
170±
117±
300
250
232±
N
McDonald Creek
0
2
kilometres

NAME OF STREAM (McDonald Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Clifford Bay, west coast of Aristazabal Is., Rge. 3, Coast Dist. POSITION 52°40'N 129°12'W

LENGTH 4.8 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

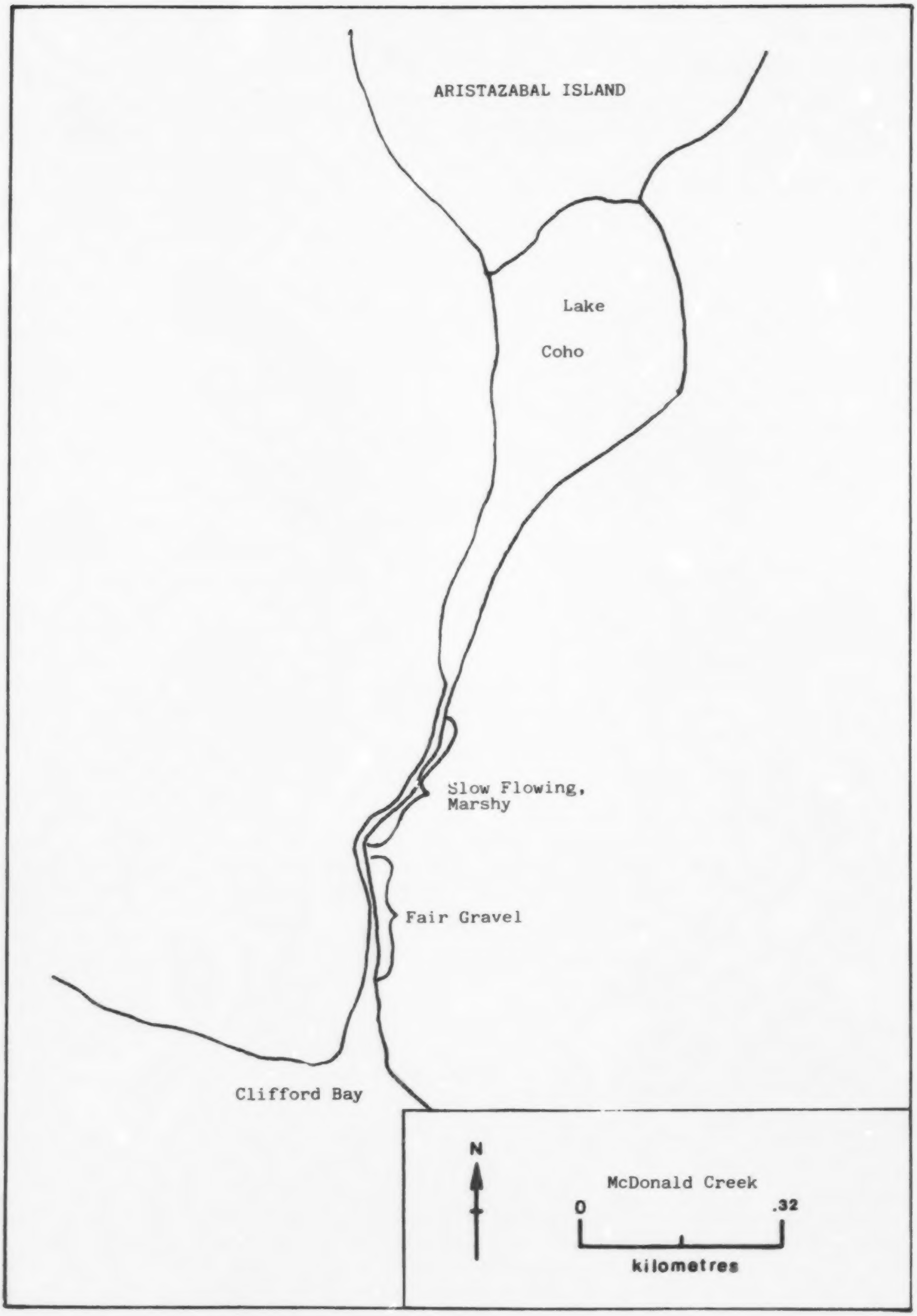
SPECIES	SECTION OF STREAM USED
SOCKEYE	- above lake
CHINOOK	
COHO	- lake outlet and above lake
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1966. High and discoloured water made observation difficult. Poor salmon producer for past several years
- 1967. Most spawning occurs in tributary streams
- 1970. Sockeye still in lake in late September
- 1973, 1978. Water conditions made observation difficult
- 1978, 1980. Flood conditions in winter

- Minor salmon producer
- Subject to seasonal fluctuations in water levels
- Limited predation


ARISTAZABAL ISLAND
Lake
Coho
Slow Flowing, Marshy
Fair Gravel
Clifford Bay
N
McDonald Creek
0
.32
kilometres

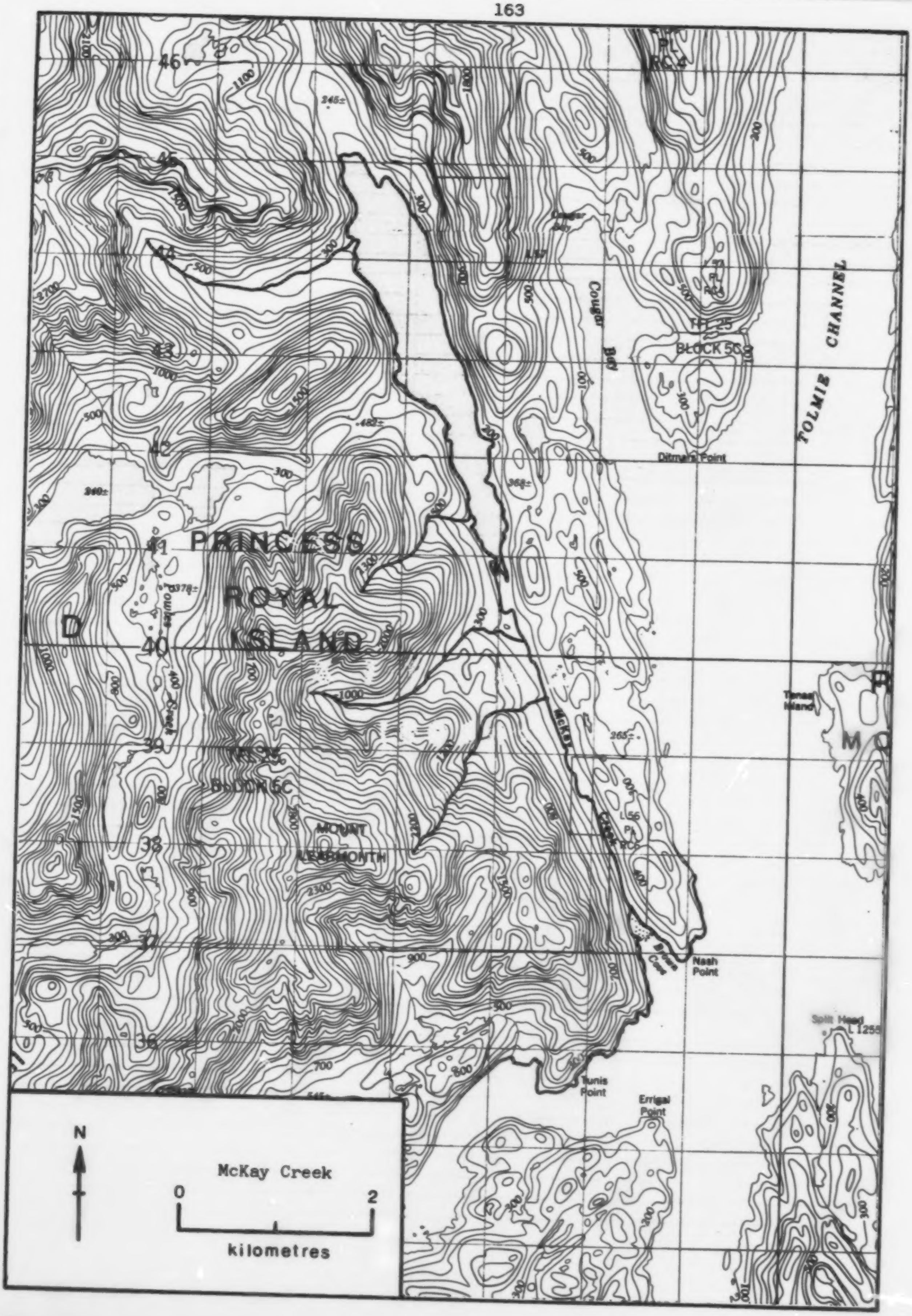
ESCAPEMENT RECORD FOR (McDonald Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52			NO RECORD PRIOR TO 1957			
53						
54						
55						
56						
57	3500		7500	3500	750	
58	750		1500	3500	1500	
59	400		750	200	400	
60	400		200	75	1500	
61	400		75	200	25	
62	750		400	200	750	
63			NOT INSPECTED			
64	25		400	75	25	
65			NOT INSPECTED			
66	UNK		UNK	UNK	UNK	
67	400		200	N/O	N/O	
68	N/O		200	N/O	N/O	
69	N/O		80	N/O	N/O	
70	200		200	N/O	N/O	
71	200		200	N/O	N/O	
72	200		400	N/O	N/O	
73	N/O		N/O	N/O	N/O	
74	250		150	N/O	N/O	
75	N/O		N/O	3	N/O	
76	400		N/O	N/O	2000	
77	300					
78	200		N/O	200	500	
79	75		75	N/O	N/O	
80	N/O			N/O	25	
81						
82						
83						
84						
85						

TIMING

ARRIVE	AUG		SEPT			
START	M. SEPT		SEPT			
PEAK	L. SEPT		OCT			
END	OCT		OCT			

REMARKS


PRINCESS ROYAL ISLAND
TFL 25 BLOCK 5C
MOUNT LEARMONTH
TFL 25 BLOCK 5C
Cougar Bay
TOLMIE CHANNEL
Ditmars Point
Tenas Island
Nash Point
Tunis Point
Errigal Point
Split Head
Fowles Creek
McKay Creek
N
McKay Creek
0
2
kilometres

NAME OF STREAM (McKay Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Brown Cove, on SE. coast of Princess Royal Is., Rge. 3, Coast Dist.

POSITION 52°41'N 128°35'W

LENGTH 4.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m²

SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- lower reaches
CHUM	- lower reaches
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1949. Good spawning substrate

-1951. Upstream migration delayed until September 8th, due to insuffient flow

-1957-1959. Studied feasibility of installing fishway at falls to make the upper watershed accessible to spawning salmon

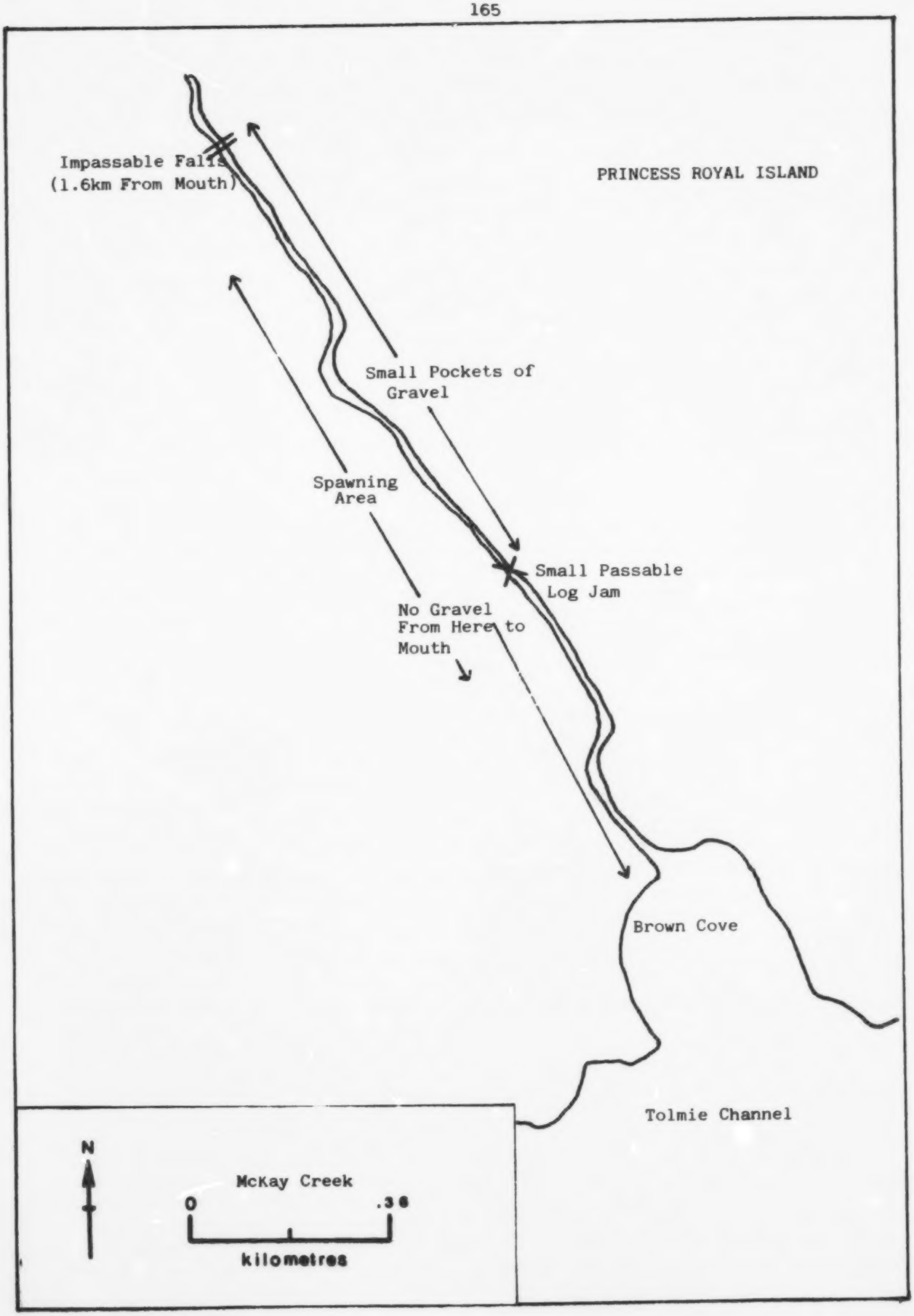
-1960. Good seeding of all species

-1969. Survey revealed no spawning grounds beyond 1.6 km

-1972. Low water levels delayed upstream migration

-1978, 1980. Winter flooding

- Fast water and rocky bottom exist beyond 1.2 km
- Subject to seasonal fluctuations in water levels
- Limited predation


Impassable Falls
(1.6km From Mouth)
PRINCESS ROYAL ISLAND
Small Pockets of Gravel
Spawning Area
Small Passable Log Jam
No Gravel From Here to Mouth
Brown Cove
Tolmie Channel
N
McKay Creek
0
.36
kilometres

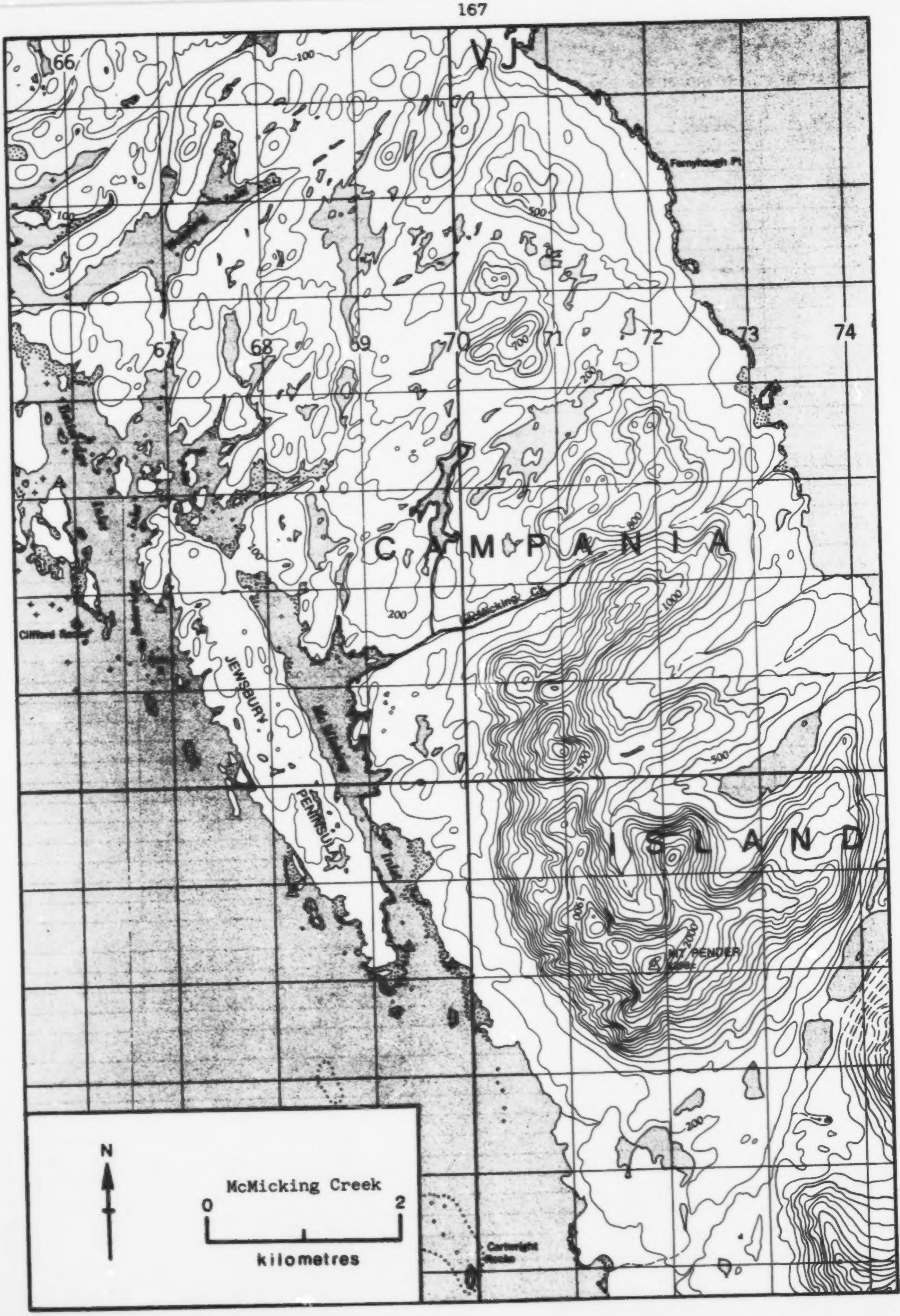
ESCAPEMENT RECORD FOR (McKay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	3500	750	
48			750		1500	
49			200	1500	1500	
50			75	750	400	
51			400	1300	600	
52					750	
53			750	3500	750	
54			750	3500	750	
55			75	1500	750	
56			750	7500	750	
57			750	1500	75	
58		25	200	3500	750	
59		25	25	75	25	
60			750	7500	750	
61			200	25	400	
62			25	3500	3500	
63		25	750	3500	400	
64		25	75	7500	200	
65			NOT	INSPECTED		
66		N/O	N/O	3000	500	
67			N/O	1500	N/O	
68			N/O	3500	1500	
69			N/O	75	N/O	
70			N/O	3500	400	
71			N/O	1500	N/O	
72			N/O	3500	750	
73			N/O	1500	N/O	
74			50	1000	500	
75					100	
76			12	20	250	
77			10	25	25	
78			N/O	1300	300	
79			50	500	200	
80			N/O	500	650	
81						
82						
83						
84						
85						

TIMING

ARRIVE			E. SEPT	E. SEPT	E. SEPT	
START			L. SEPT	M. SEPT	E. SEPT	
PEAK			OCT	L. SEPT	M. SEPT	
END			NOV	OCT	L. SEPT	

REMARKS


66
67
68
69
70
71
72
73
74
VJ
100
500
700
200
800
1000
1500
300
2000
200
Fernyhough Pt.
CAMPANIA
ISLAND
McMicking Ck.
JEWSBURY
PENINSULA
Clifford
MT PENDER
Cartwright Rocks
N
McMicking Creek
0
2
kilometres

NAME OF STREAM (McMicking Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SW. into McMicking Inlet, Estevan Sd., Rge. 4, Coast Dist.

POSITION 53° 129° SE.

LENGTH 2.5 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 2.5 km, may be passable to coho

SPAWNING DISTRIBUTION

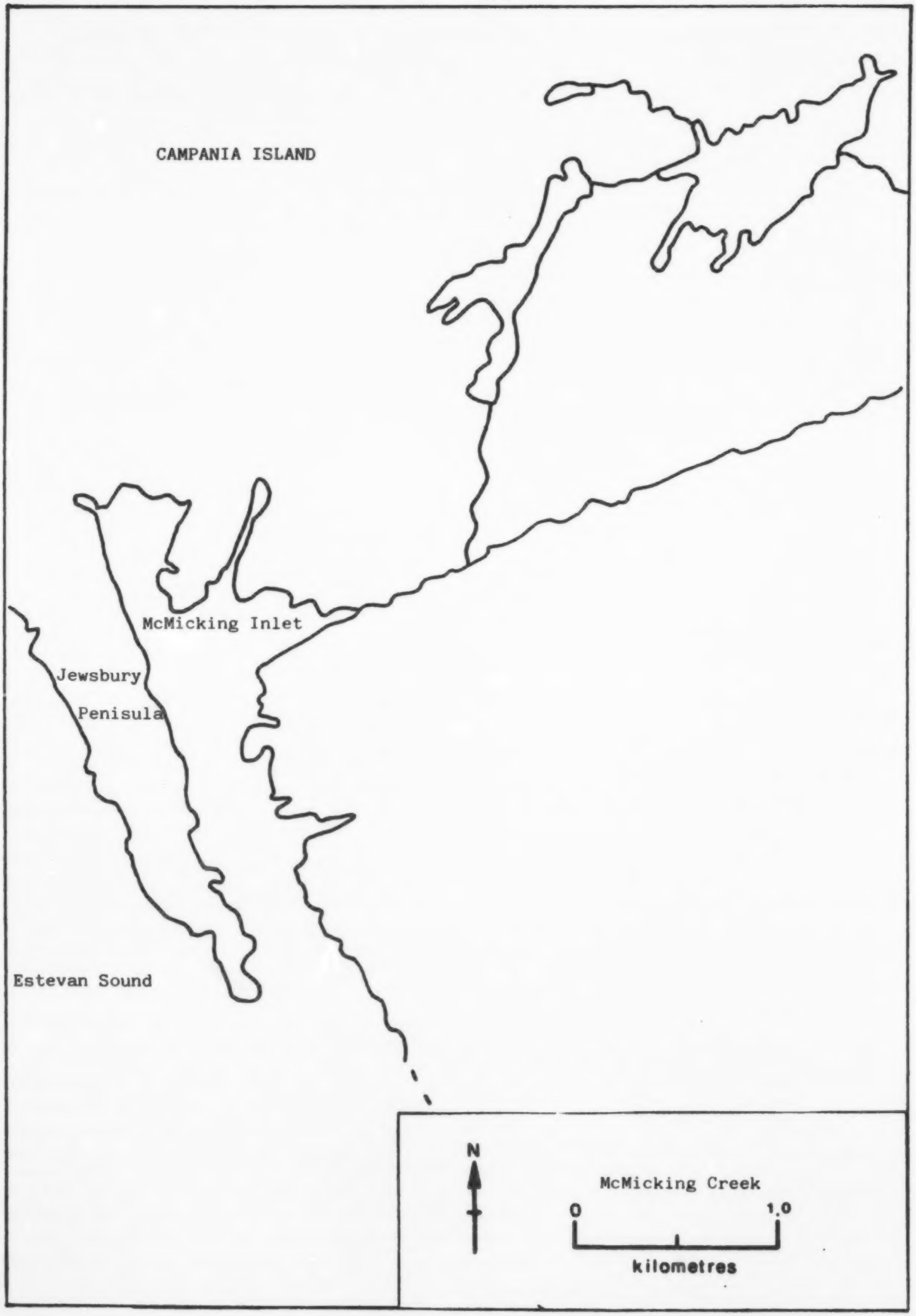
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to falls
PINK (ODD YEAR)	- in lower reaches
PINK (EVEN YEAR)	- in lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Only limited fishing conducted in stream vicinity
-1961. Incomplete records maintained after 1961
-1976. Late run of chums and coho

- Good spawning gravel in lower reaches
- Subject to seasonal fluctuations in water levels
- Remote location of stream makes supervision difficult
- Heavy predation by wolves

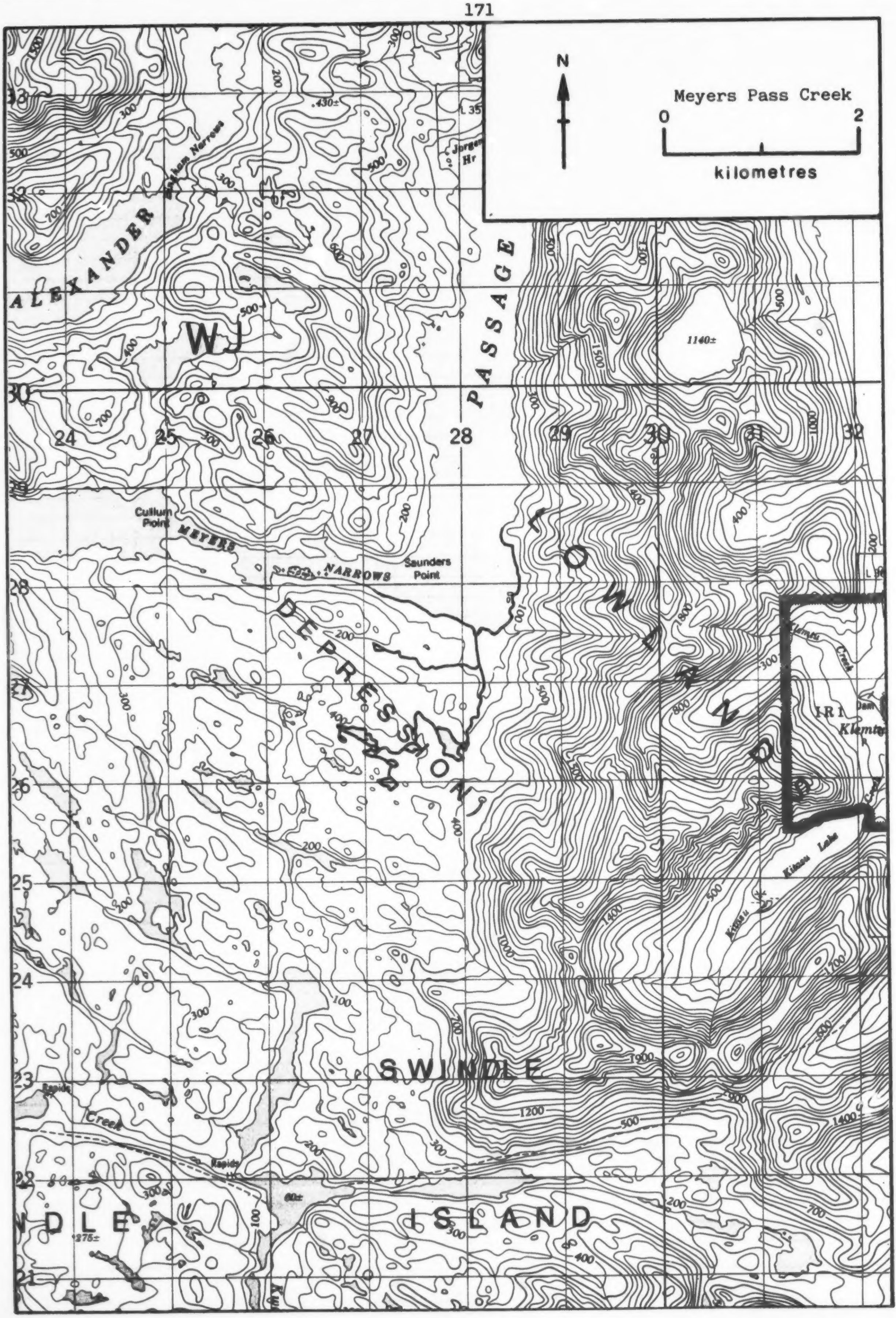

CAMPANIA ISLAND
McMicking Inlet
Jewsbury
Penisula
Estevan Sound
N
McMicking Creek
0
1,0
kilometres

ESCAPEMENT RECORD FOR (McMicking Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			NO	RECORD		
48			NO	RECORD		
49				750	75	
50				8000	75	
51				540	75	
52				750	75	
53				750	25	
54				UNK	UNK	
55				400	25	
56				400	75	
57				UNK	UNK	
58				UNK	UNK	
59				750	400	
60				UNK	UNK	
61						
62						
63			NOT INSPECTED BETWEEN 1961-1965			
64						
65						
66				400	200	
67				UNK	UNK	
68					400	
69				N/O	N/O	
70				1500	1500	
71				400	N/O	
72				1500	200	
73				N/O	N/O	
74				N/O	N/O	
75				N/O		
76				250		
77				4000		
78			50	1200	N/O	
79			50	800	50	
80	6		50	400	150	
81						
82						
83						
84						
85						

TIMING						
ARRIVE				M. SEPT		
START				L. SEPT		
PEAK				E. OCT		
END				L. OCT		

REMARKS


N
Meyers Pass Creek
0
2
kilometres
ALEXANDER
PASSAGE
WJ
LOWLAND
MEYERS
NARROWS
DEPRESSION
Cullum Point
Saunders Point
Jorgensen Hr
Kitsau Lake
Klemtu Creek
IR 1
Klemtu
SWINDLE
ISLAND
Creek
Rapids
1140±
430±
275±
80±
24
25
26
27
28
29
30
31
32
33
32
30
29
28
27
26
25
24
23
22
21
200
300
400
500
700
800
1000
1200
1400
1700
1900

NAME OF STREAM (Meyers Pass Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows N. into Meyers Passage, Swindle Is., Rge. 3, Coast Dist.

POSITION 53°37'N 128°35'W

LENGTH 2.4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.5 km

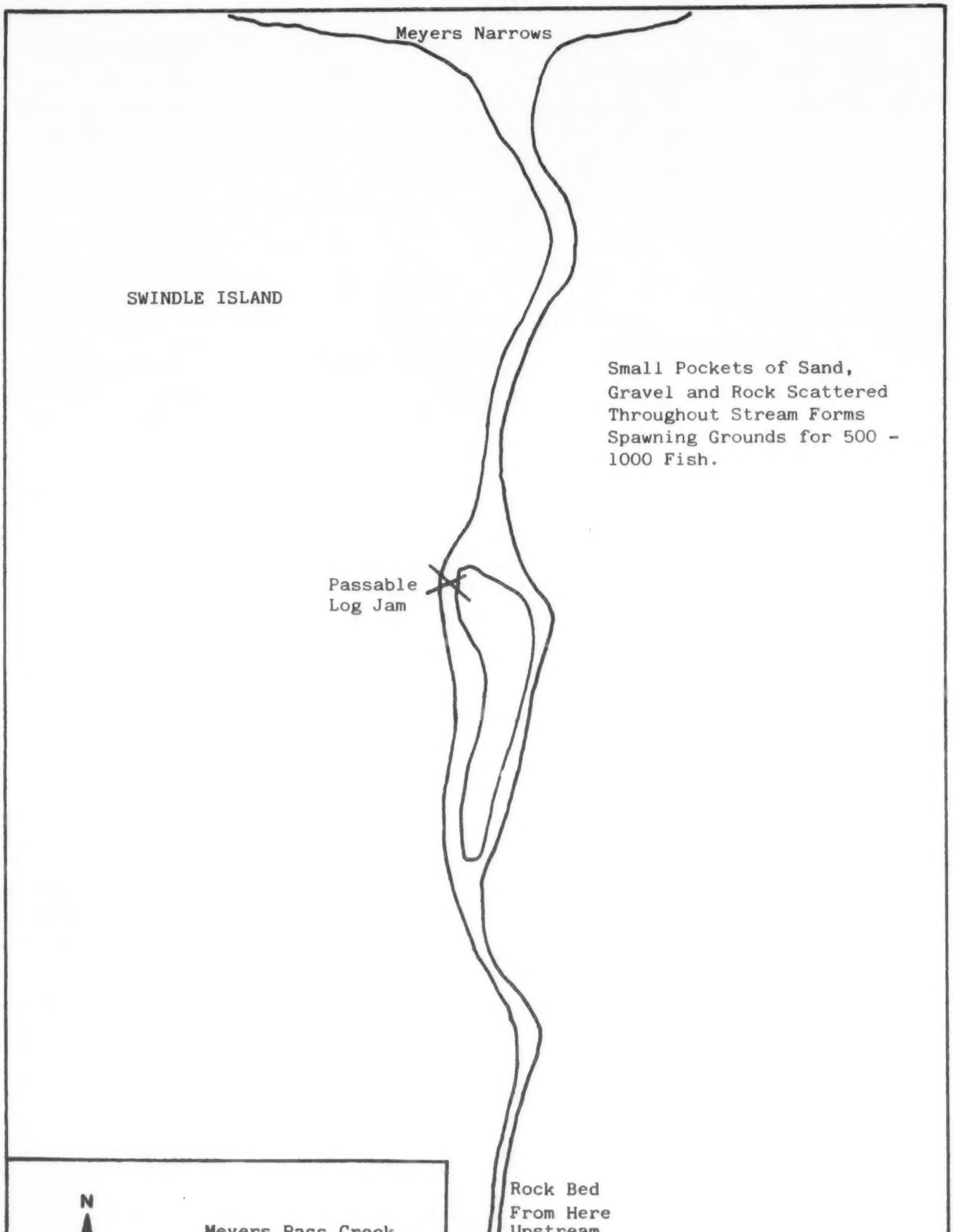
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

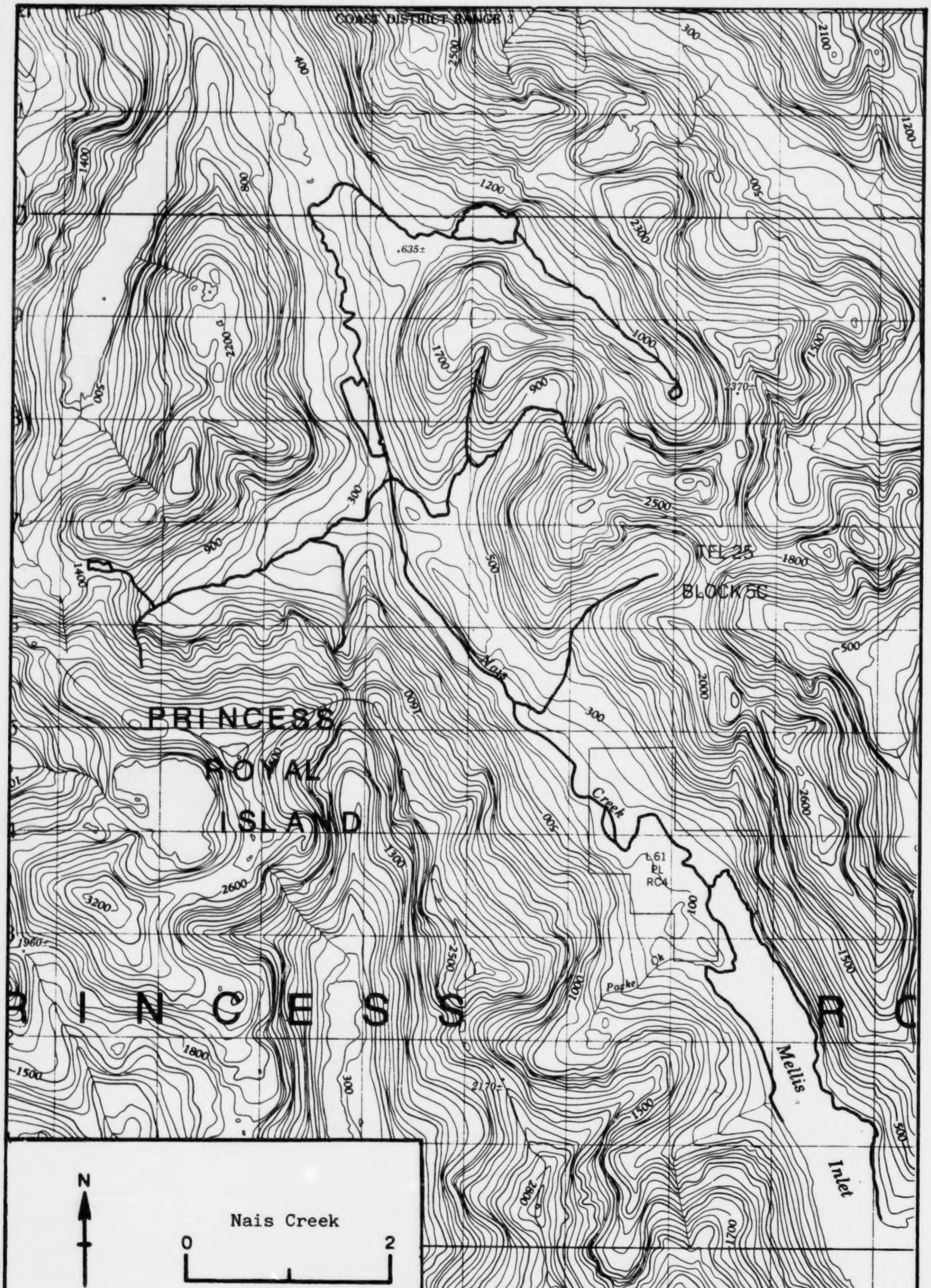
-1957. Water turbid, so observation difficult
-1959. Cleared debris from blowdowns in 1957 and 1958
-1960. Tidal zone spawning
-1961. Initial watershed reconnaissance
-1966. Surveyed log jams
-1967. Survey revealed that region above falls has poor spawning potential
-1975. Removed impassable log jam located 0.8 km from mouth
-1978, 1980. Flooding may have caused some scouring and erosion of the system
- Little spawning area, as substrate is primarily broken shale
- Subject to seasonal fluctuations in water levels
- Some predation


Meyers Narrows
SWINDLE ISLAND
Small Pockets of Sand, Gravel and Rock Scattered Throughout Stream Forms Spawning Grounds for 500 - 1000 Fish.
Passable Log Jam
Rock Bed From Here Upstream
N
Meyers Pass Creek
0
1.0
kilometres

ESCAPEMENT RECORD FOR (Meyers Pass Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48			NO RECORD PRIOR TO 1950			
49						
50			75	1500	25	
51			50	450	50	
52					25	
53			75	1500	25	
54			75	400	25	
55			25	25	75	
56			25	1500	750	
57			N/0	200	N/0	
58			25	750	75	
59			N/0	200	N/0	
60				1500	200	
61			N/0	750	N/0	
62			N/0	750	200	
63			25	750	400	
64			N/0	1500	200	
65			NOT INSPECTED			
66			N/0	800	N/0	
67			N/0	1500	N/0	
68			N/0	750	200	
69			N/0	N/0	N/0	
70			N/0	N/0	N/0	
71			N/0	N/0	N/0	
72			N/0	N/0	N/0	
73			N/0	N/0	N/0	
74			50	800		
75				410		
76				50		
77				100		
78				500	20	
79				125	10	
80				175	10	
81						
82						
83						
84						
85						
TIMING						
ARRIVE				E. SEPT		
START				M. SEPT		
PEAK				L. SEPT		
END				E. OCT		

REMARKS


COAST DISTRICT RANGE 3
PRINCESS
ROYAL
ISLAND
TFL 25
BLOCK 5C
Nais
Creek
Packe
Ck
Mellis
Inlet
L61
PL
RC4
PRINCESS
R
.635±
2370±
1960±
2170±
2200
2500
2300
2100
1200
1400
900
500
400
300
1700
1000
1800
1500
2000
2600
1300
3200
100
2800
3000
N
Nais Creek
0
2
kilometres

NAME OF STREAM NIAS CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Mellis Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 12.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- in and above lake
CHINOOK	
COHO	- throughout
CHUM	- 75% spawn just below the lake and in the lower reaches
PINK (ODD YEAR)	- 75% spawn just below the lake and in the lower reaches
PINK (EVEN YEAR)	- 75% spawn just below the lake and in the lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1958. Stream has good potential for increased salmon production

-1964. Chum run consists of two waves, an earlier one of about 10,000 fish and a later one

-1967. Total failure of all runs. Similar failures occurred in other Laredo Inlet streams. Condition is puzzling because the stream receives sufficient protection and the watershed is free from disturbances

-1971. Excellent return of odd-year pinks

-1972. Fish trapped in areas where streambed was drying out during mid September

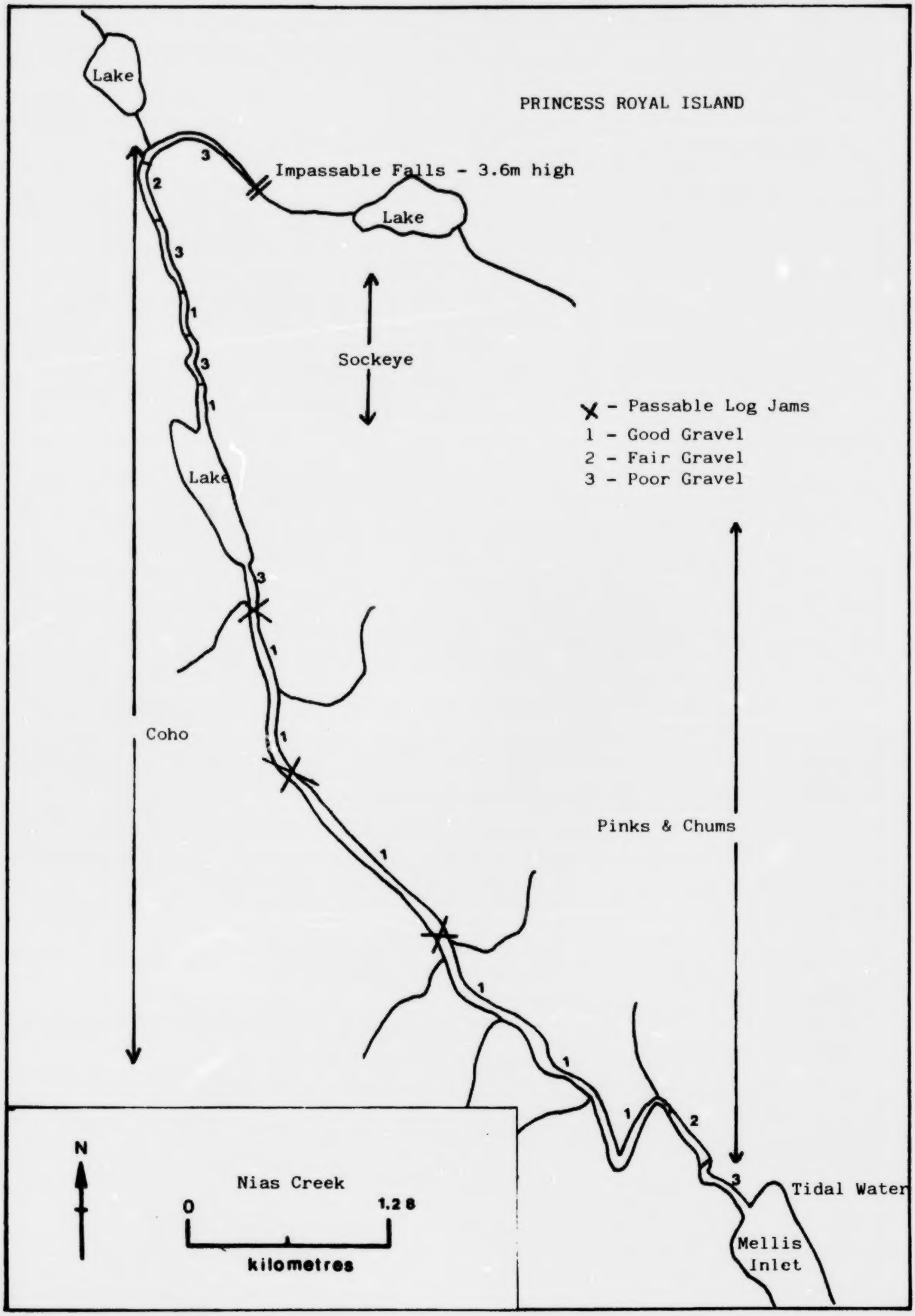
-1974. Assessment hampered by high flows, turbid water and extensive streambank cover

-1978, 1980. Flooding and erosion likely resulted from winter flooding

- Good spawning area between mouth and point 0.4 km upstream

GENERAL REMARKS (cont'd) Nias Creek

- Well protected by Laredo Inlet fishing boundaries
- Subject to seasonal fluctuations in water levels
- Some predation

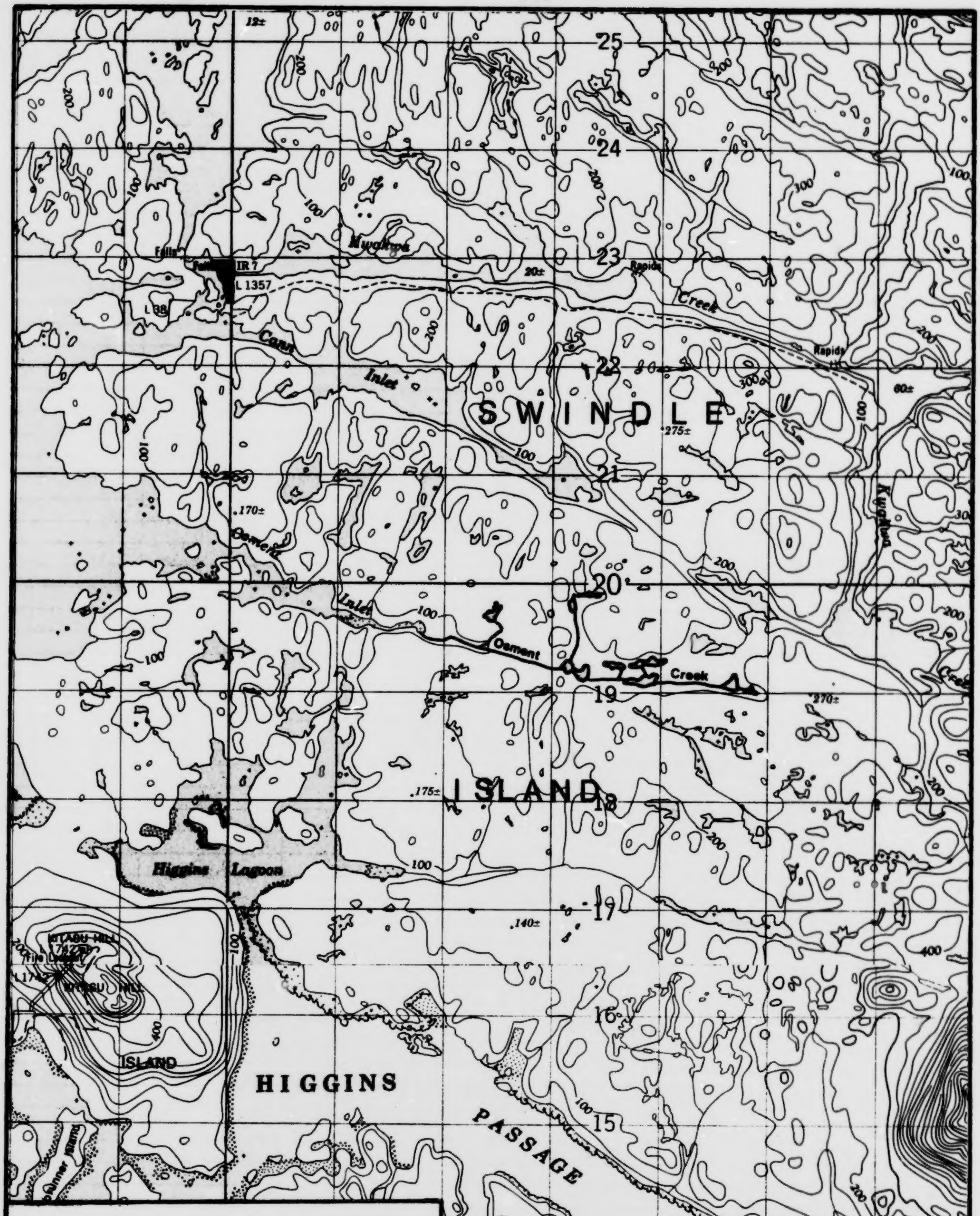

PRINCESS ROYAL ISLAND
Lake
Impassable Falls - 3.6m high
Lake
Sockeye
Lake
Coho
Pinks & Chums
X - Passable Log Jams
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Tidal Water
Mellis Inlet
N
Nias Creek
0
1.28
kilometres

ESCAPEMENT RECORD FOR NIAS CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			400	7500	3500	
48			750		1500	
49			200	3500	1500	
50			400	3500	3500	
51			700	1500	1600	
52					3500	
53			400	3500	1500	
54			750	3500	1500	
55			400	25	75	
56			400	400	1500	
57			3500	1500	1500	
58			400	3500	3500	
59			750	200	3500	
60	25		200	7500	7500	
61	75		1500	7500	15000	
62	25		3500	15000	35000	
63	N/O		3500	3500	35000	
64	25		400	35000	15000	
65			750	1500	3500	
66			200	1000	7000	
67			N/O	N/O	N/O	
68			N/O	N/O	N/O	
69	500		200	2600	3500	
70	1500		200	1500	7500	
71	400		400	3000	23000	
72	N/O		25	7500	15000	
73	N/O		75	6000	4000	
74	N/O		75	2000	250	
75			N/O	7500	800	
76				N/O	N/O	
77				60	550	
78				N/O	N/O	
79			200	100	600	
80	1		50	2000	19000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			SEPT	L. AUG	E. AUG	
START			SEPT	E. SEPT	L. AUG	
PEAK			OCT	M. SEPT	SEPT	
END			OCT	OCT	OCT	

REMARKS


SWINDLE
ISLAND
HIGGINS
PASSAGE
Higgins Lagoon
Cann
Inlet
Osment
Inlet
Osment
Creek
Creek
Rapids
Rapids
Falls
IR 7
L 1357
L 38
ISLAND
275±
270±
175±
170±
140±
60±
25
24
23
22
21
20
19
18
17
16
15
14
13
N
Osment Creek
0
2
kilometres

NAME OF STREAM (Osment Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Osment Inlet(Kitasu Bay), Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 1.6 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout lower reaches
CHUM	- throughout lower reaches
PINK (ODD YEAR)	- throughout lower reaches
PINK (EVEN YEAR)	- throughout lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1950. Passable log jam located 0.8 km from the mouth surveyed because 3/4 of spawning grounds are above obstruction

-1951. Upstream migration delayed until mid September due to low flows

-1957. Chums spawned in tidal water due to low water levels during migration

-1969-1970. Patrolman reported fine gravel to sand in lower reaches, with broken rock substrate in the upper reaches and numerous windfalls, but no obstructions

-1978, 1980. Winter flooding

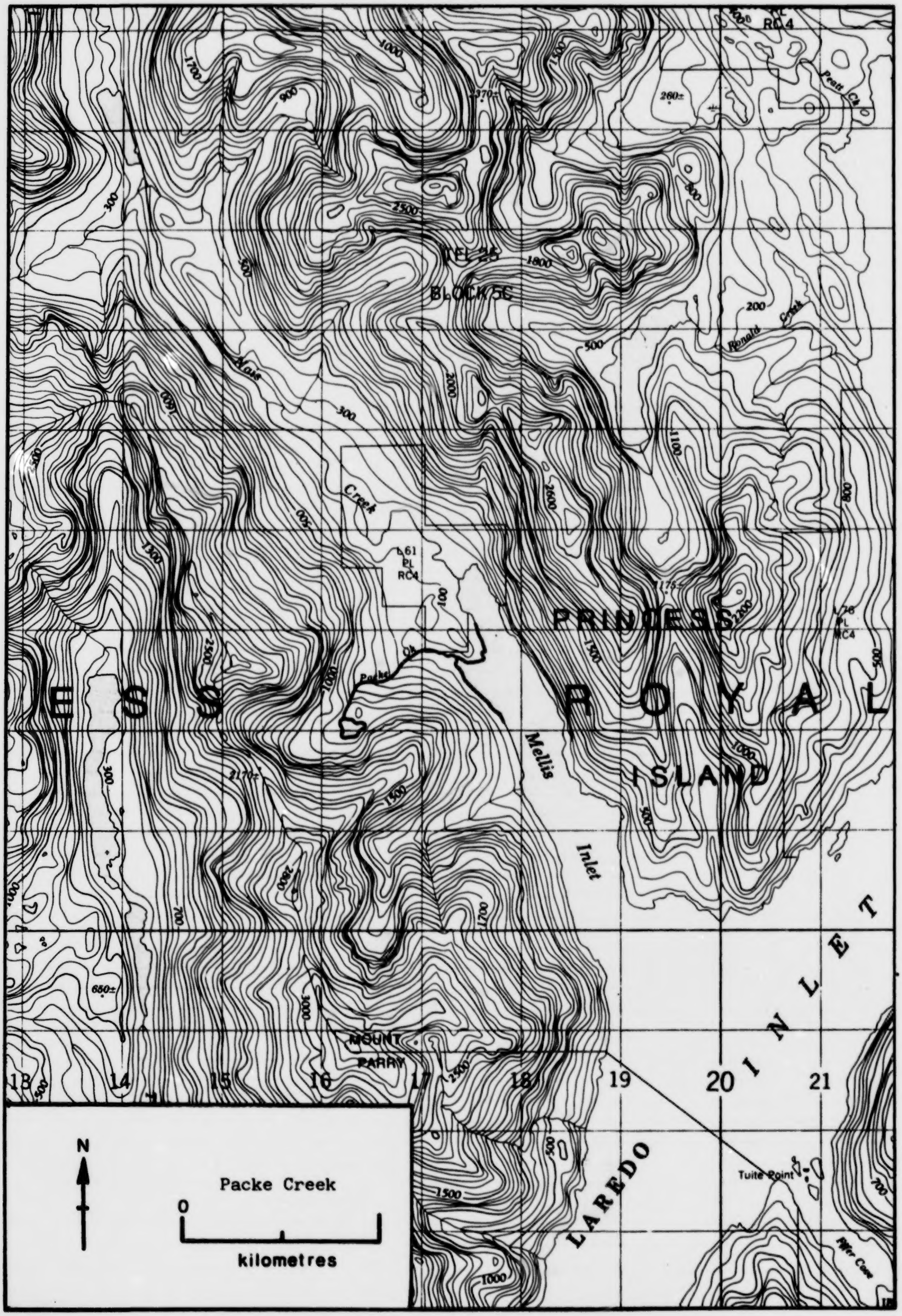
- Little production
- Small stream, 4.5-9.0 m wide with good gravel throughout
- Seriously affected by dry weather
- Subject to seasonal fluctuaions in water levels
- Heavy predation by bears and wolves

ESCAPEMENT RECORD FOR (Osment Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	3500	75	
48					75	
49			75	400	400	
50			75	200	25	
51			25	600	25	
52					25	
53			200	750	25	
54			75	750	400	
55			75	25	75	
56			400	750	750	
57			75	1500	N/O	
58				200	200	
59			N/O	75	400	
60			25	750	400	
61			N/O	25	200	
62			N/O	200	750	
63			25	25	200	
64			N/O	750	750	
65			200	400	1500	
66			N/O	1000	1500	
67			N/O	25	N/O	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			N/O	N/O	N/O	
73			N/O	N/O	N/O	
74			N/O	N/O	N/O	
75			N/O	N/O	N/O	
76			1			
77				100		
78			50	150		
79			50	100		
80				25		
81						
82						
83						
84						
85						

TIMING						
ARRIVE				M. SEPT		
START				M. SEPT		
PEAK				E. OCT		
END				L. OCT		

REMARKS


RC4
Peatt Ck
260±
370±
1700
1000
900
1500
300
2500
800
TFL 25
BLOCK 5C
1800
200
Ronald Creek
500
Mase
1600
300
2000
1100
500
Creek
900
2600
800
L61
PL
RC4
100
1300
1175±
L76
PL
RC4
PRINCESS
2200
2500
Ck
Packe
1000
1500
ESS
ROYAL
Mellis
Inlet
1000
ISLAND
300
2170±
1500
500
2800
1000
700
1700
650±
3000
MOUNT
PARRY
2500
INLET
LAREDO
13
14
15
16
17
18
19
20
21
500
1500
1000
Tuite Point
700
Pyfer Cove
N
Packe Creek
0
kilometres

NAME OF STREAM PACKE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows E. into Mellis Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 4.8 km WIDTH ______ m DRAINAGE ______ km²

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ m² SPAWNING AREA ______ m²

DISCHARGE (m^3/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.6 km. (except to coho at favourable water levels)

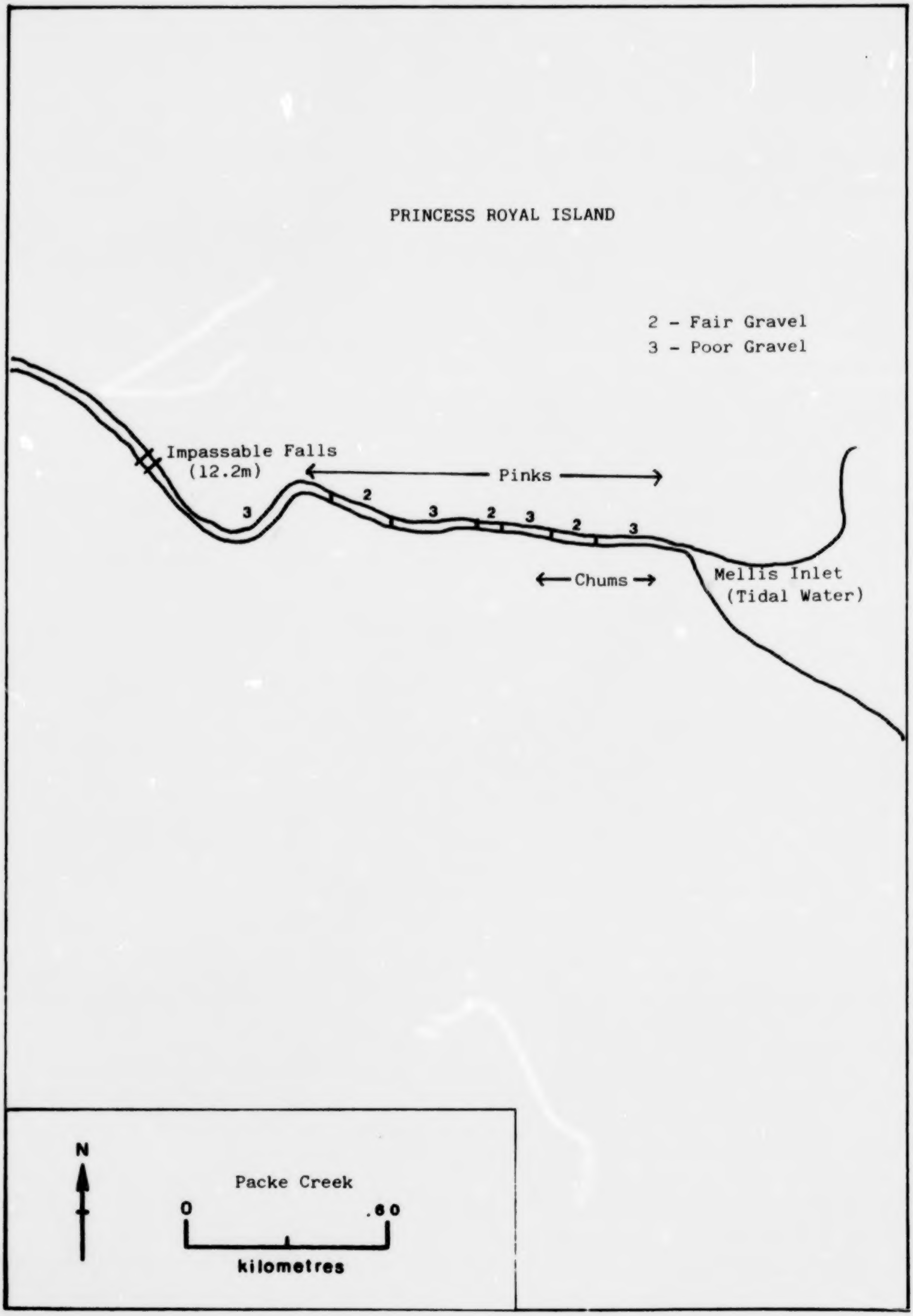
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to 6.4 km under favourable water conditions
CHUM	- throughout first 1.2 km
PINK (ODD YEAR)	- throughout first 1.2 km
PINK (EVEN YEAR)	- throughout first 1.2 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1958. Large pinks noticed
- 1960. Tidal flat spawning observed
- 1961. High flows and turbid water hampered assessment
- 1965. Creek bed dry in late September and therefore impassable. Fish may have spawned later in the season after the heavy rains
- 1966. Poor observation conditions during inspection
- 1972. Low water prompted some spawning in tidal water
- Protected by Laredo Inlet boundaries
- Steep and rocky creek bed
- Subject to seasonal fluctuations in water levels
- Light predation by bears, wolves, waterfowl, eagles, and seals

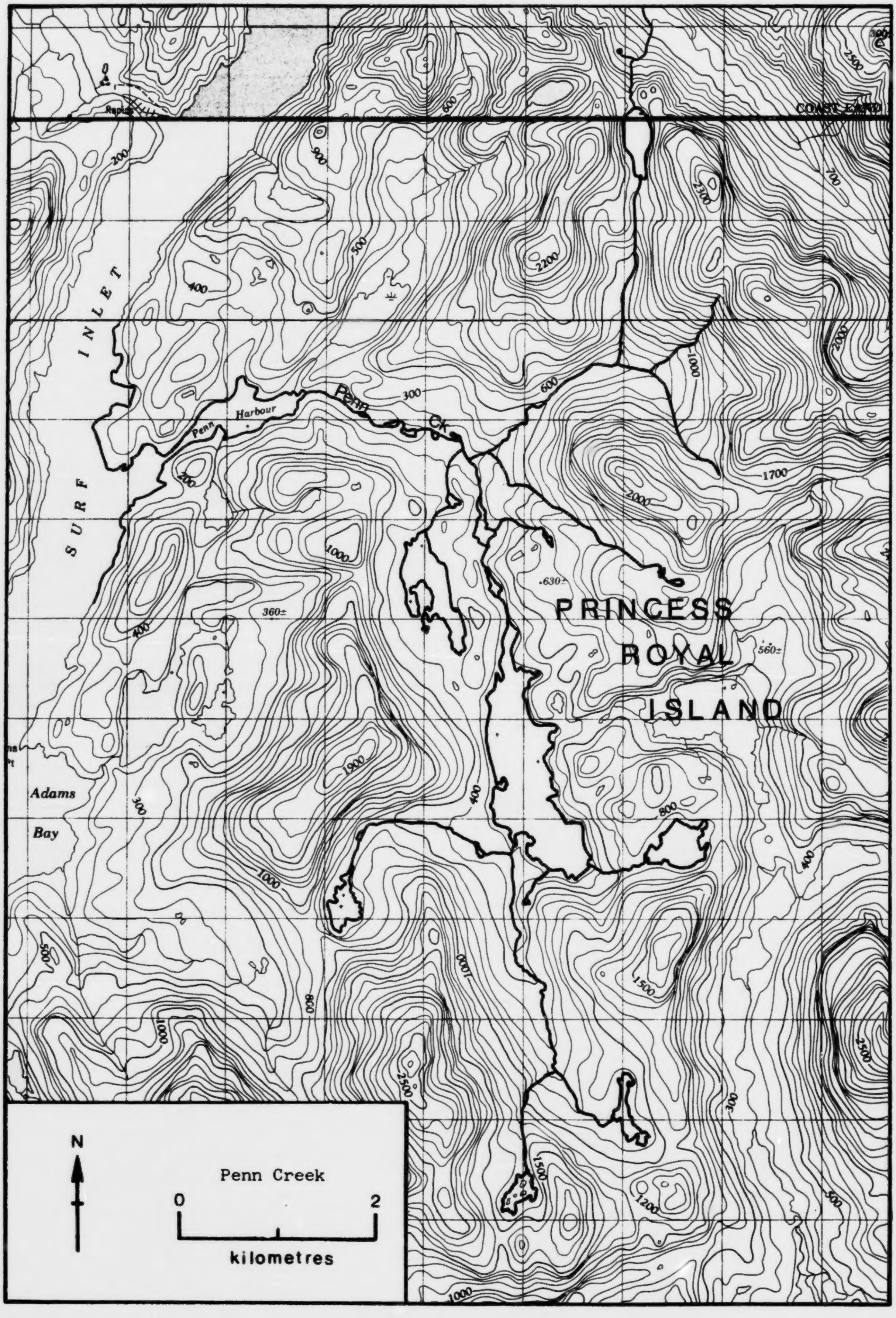

PRINCESS ROYAL ISLAND
2 - Fair Gravel
3 - Poor Gravel
Impassable Falls (12.2m)
Pinks
3
2
3
2
3
2
3
Chums
Mellis Inlet (Tidal Water)
N
Packe Creek
0
.60
kilometres

ESCAPEMENT RECORD FOR PACKE CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	25	25	
48			200		3500	
49			25	75	75	
50			750	7500	7500	
51			500	400	400	
52					1500	
53			200	1500	750	
54			400	3500	3500	
55			200	25	400	
56			200	750	1500	
57			N/O	75	25	
58			400	400	400	
59			N/O	25	200	
60			25	750	400	
61			N/O	75	75	
62			N/O	750	1500	
63			400	400	7500	
64			N/O	3500	750	
65			N/O	N/O	N/O	
66			N/O	N/O	N/O	
67			25	N/O	N/O	
68			1500	N/O	7500	
69			N/O	15	200	
70			N/O	75	200	
71			N/O	N/O	75	
72			N/O	200	750	
73			N/O	300	250	
74				50	50	
75			N/O	N/O	N/O	
76				N/O	N/O	
77				N/O	N/O	
78			150	3000	1500	
79			N/O	500	100	
80				2	6	
81						
82						
83						
84						
85						

TIMING						
ARRIVE				E. SEPT	E. SEPT	
START				E. SEPT	M. SEPT	
PEAK				L. SEPT	L. SEPT	
END				OCT	E. OCT	

REMARKS


Rapids
COAST LAND
200
900
600
2500
700
2300
2200
500
400
SURF INLET
Penn Harbour
Penn Ck
300
600
1000
2000
1700
200
1000
630±
PRINCESS ROYAL ISLAND
360±
560±
400
Adams Bay
1900
400
300
800
1000
400
1000
1500
800
1000
2500
2500
300
1500
1200
500
1000
N
Penn Creek
0
2
kilometres

NAME OF STREAM (Penn Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Surf Inlet, Rge. 3, Coast Dist.

POSITION 53°05' N 128°45' W

LENGTH 0.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 0.5 km. Passable to coho at high water

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- usually below rock falls
CHUM	- chiefly tidal areas
PINK (ODD YEAR)	- tidal and lower reaches
PINK (EVEN YEAR)	- tidal and lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1968. Since no pink returns since 1961, and no coho or chum runs since 1964, inspection personnel suggest that stream be removed from active records

-1980. No fish have spawned in this creek since 1961

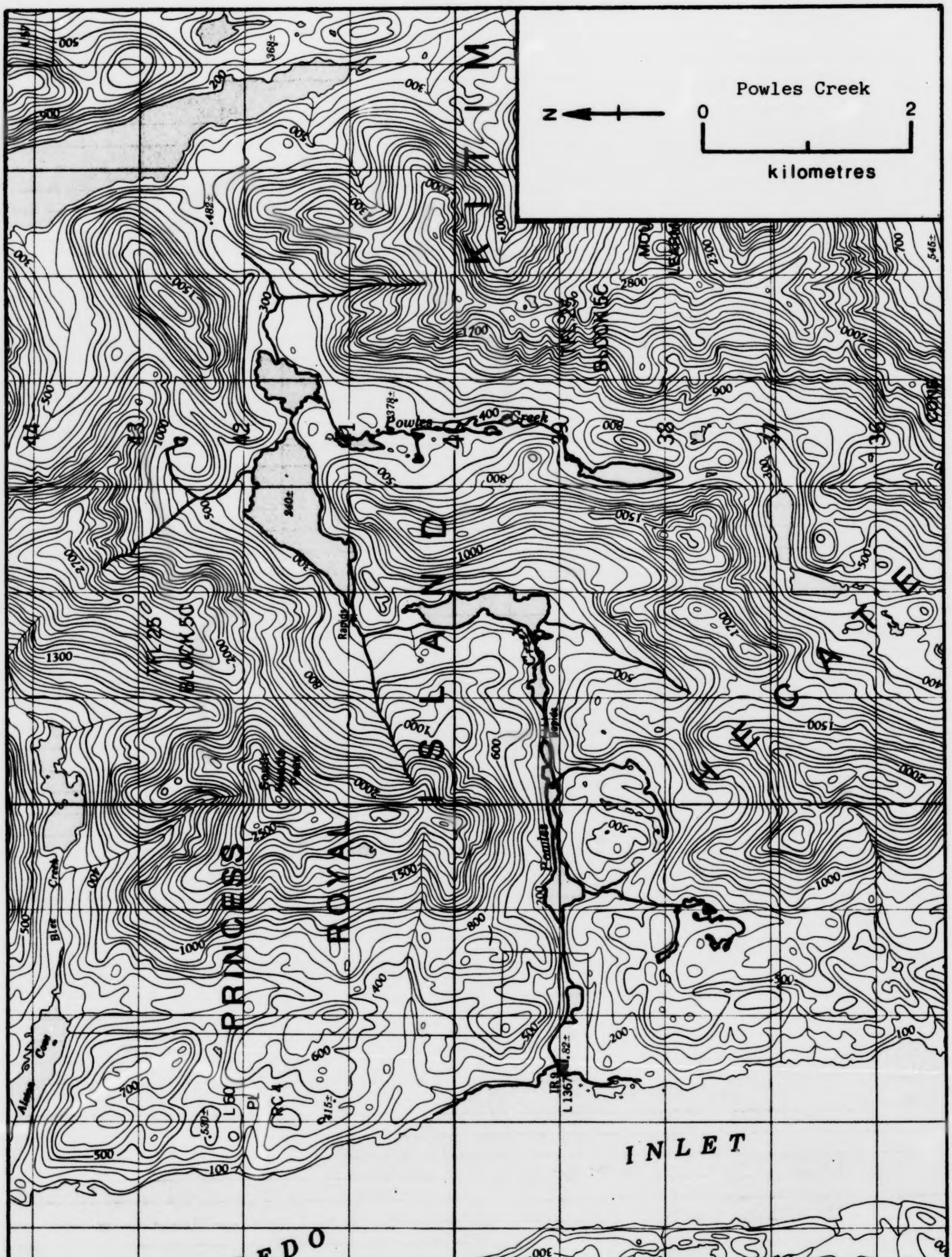
- Subject to seasonal fluctuations

ESCAPEMENT RECORD FOR (Penn Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	75	25	
48			400		75	
49			400	75	25	
50			25	75	75	
51			1000	100	50	
52					400	
53			750	200	200	
54			200	75	75	
55			400	200	25	
56			750	200	1500	
57			200	200	N/O	
58			200	200	N/O	
59			200	200		
60			400	200	75	
61			25	200	25	
62			400	750	N/O	
63			200	25	N/O	
64			25	200	N/O	
65			N/O	N/O	N/O	
66			N/O	N/O	N/O	
67			N/O	N/O	N/O	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			N/O	N/O	N/O	
73			N/O	N/O	N/O	
74			N/O	N/O	N/O	
75			N/O	N/O	N/O	
76			N/O			
77			N/O	N/O	N/O	
78			N/O	N/O	N/O	
79				N/O	N/O	
80				N/O	N/O	
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


Powles Creek
N
0
2
kilometres
PRINCESS ROYAL ISLAND
LAREDO INLET
HECATE
K I T I M
Powles Creek
TFL 25
BLOCK 5C
BLOCK 5C
Rapids
IR 9
L 1367
L 60
RC 4
44
43
42
41
40
39
38
37
36
1300
2800
1700
1500
1000
500
300
200
100

NAME OF STREAM POWLES CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 4.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable rock falls 140 m from stream mouth

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- to third lake and beyond
CHINOOK	
COHO	- to third lake and beyond
CHUM	- third lake to second lake
PINK (ODD YEAR)	- third lake to second lake
PINK (EVEN YEAR)	- third lake to second lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Windfalls located 5.6 km from mouth surveyed

-1958. Debris cleared

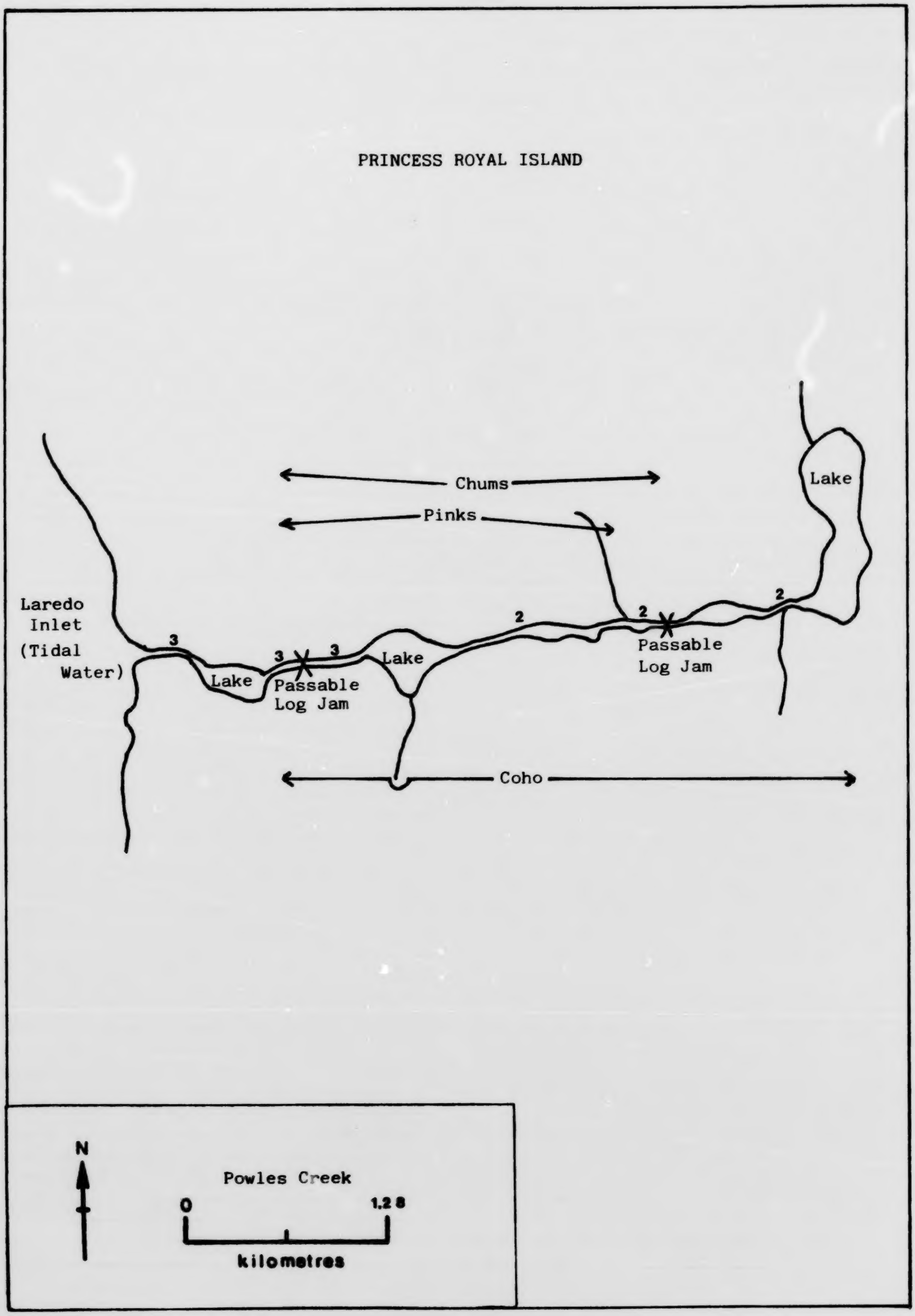
-1964. Turbid water hampered inspection

-1965. Low water in system delayed upstream migration until Sept. 30th. Delay may have caused some loss of pinks due to tidal spawning

-1966. High water complicated assessment

-1967. No spawning salmon observed as a result of poor spawning conditions

- System protected by Laredo Inlet fishing boundaries
- Swift, bouldery stream with deep pools and turbid water below canyon near first lake
- Subject to seasonal fluctuations in water levels
- Predation by bears, birds, seals and wolves


PRINCESS ROYAL ISLAND
Chums
Pinks
Lake
Laredo
Inlet
(Tidal
Water)
3
3
3
2
2
2
Lake
Passable
Log Jam
Lake
Passable
Log Jam
Coho
N
Powles Creek
0
1.2 8
kilometres

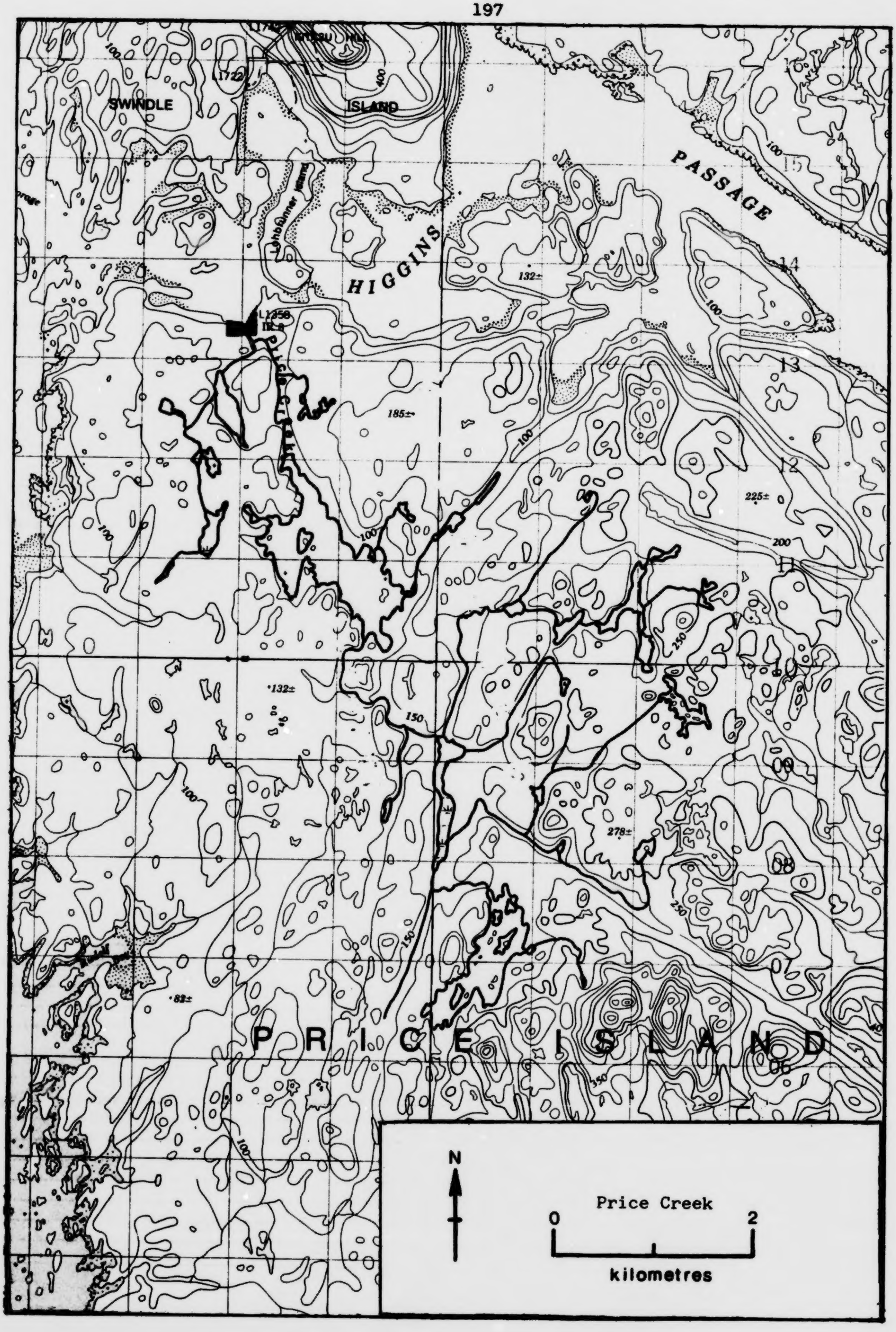
ESCAPEMENT RECORD FOR POWLES CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	75		200	75	25	
48			75		400	
49	75		200	400	25	
50	400		200	750	750	
51	50		500	500	400	
52					1500	
53	75		75	400	200	
54	200		400	400	400	
55	25		200	25	75	
56	200		75	75	750	
57	200		400	1500	25	
58	25		25	25	750	
59	200		25	25	25	
60	75		200	1500	1500	
61	75		25	200	1500	
62	750		750	75	3500	
63	200		400	25	7500	
64	25		25	1500	3500	
65	UNK		1500	750	3500	
66	N/O		15	N/O	200	
67	N/O		N/O	N/O	N/O	
68	N/O		N/O	N/O	7500	
69			150	700	600	
70	N/O		200	750	3500	
71	N/O		200	400	750	
72	N/O		750	75	400	
73			500	50	N/O	
74			300	100	250	
75			N/O	800	750	
76			1000	N/O	7000	
77			900	90	1100	
78			600	600	1500	
79			700	400	100	
80			500	100	1000	
81						
82						
83						
84						
85						

TIMING

ARRIVE			E. SEPT	E. SEPT	L. AUG	
START			L. SEPT	E. SEPT	E. SEPT	
PEAK			OCT	M. SEPT	M. SEPT	
END			NOV	L. SEPT	L. SEPT	

REMARKS


L1742
HILL
L1722
SWINDLE
ISLAND
400
100
Lohbrunner Island
HIGGINS
PASSAGE
15
14
13
12
11
10
09
08
06
132±
185±
225±
200
250
278±
150
350
82±
L1358
IR 8
Price Creek
PRICE ISLAND
N
Price Creek
0
2
kilometres

NAME OF STREAM (Price Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Higgins Passage, Rge. 3, Coast Dist.

POSITION $52^{\circ}25'$N $128^{\circ}45'$W

LENGTH 8.0 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake outlet and above
CHINOOK	
COHO	- throughout
CHUM	- to lake
PINK (ODD YEAR)	- to lake
PINK (EVEN YEAR)	- to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Spawning grounds above log jam

GENERAL REMARKS:

-1950. Impassable log jam at low water was located 0.8 km upstream and surveyed

-1951. Some evidence of late spawning chums digging up previously deposited eggs in the lower reaches. Log jam removed

-1953. Coho and chums only lightly exploited by commercial fishery this year due to closure

-1956. The late run of chums was very small

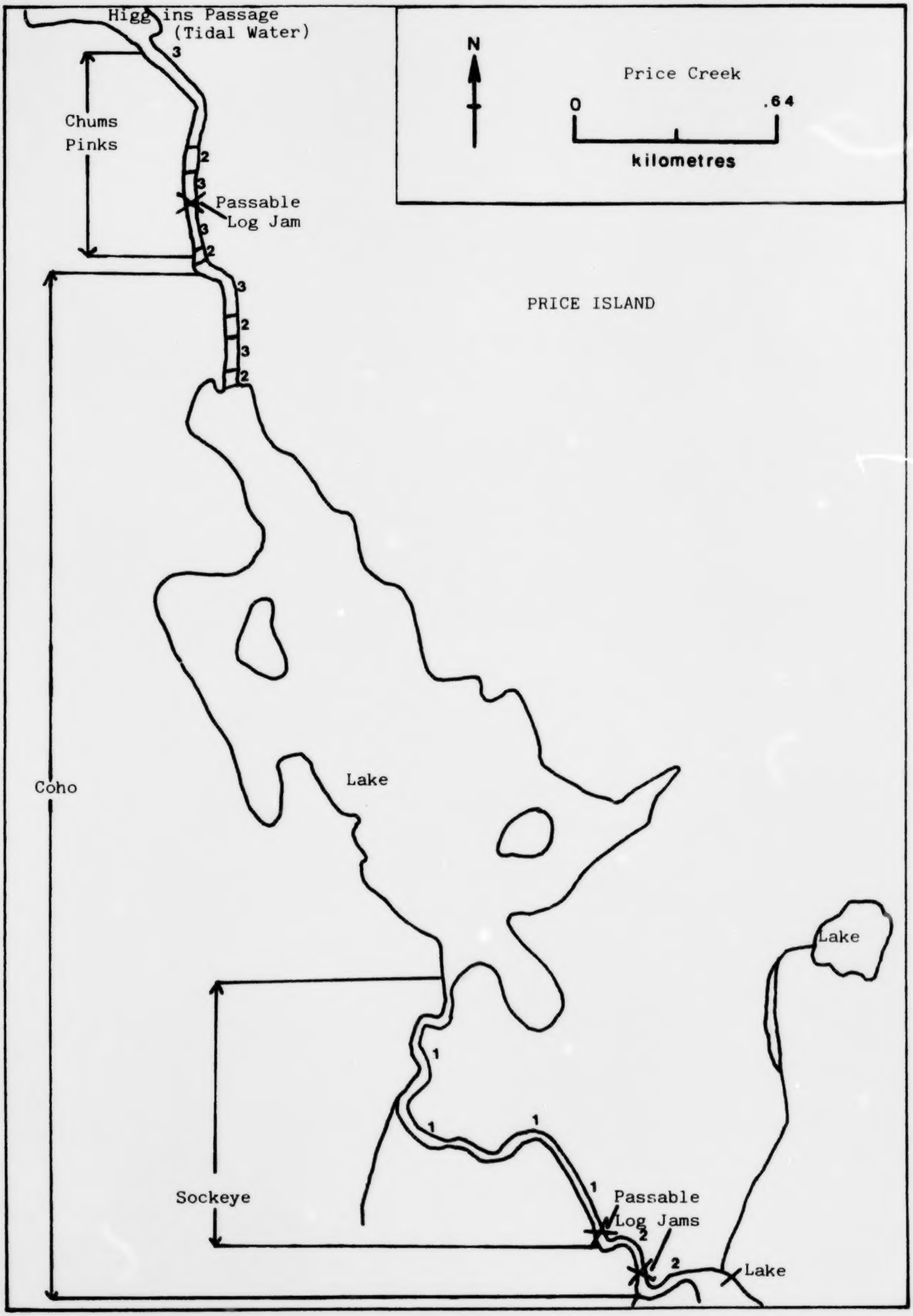
-1957. A good main run of large-size chums in late October

-1959. Late fall chum run was delayed

-1965. Guard stationed at creek mouth provided adequate protection for sockeye

GENERAL REMARKS (cont'd) Price Creek

stocks migrating upstream
-1967. Small percentage of stock taken annually by Indian food fishery
-1968. Slight digging by chums of pink salmon eggs deposited in the lower reaches
-1978, 1980. Winter flood conditions
- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, and eagles


Higgins Passage
(Tidal Water)
N
Price Creek
0
.64
kilometres
Chums
Pinks
Passable
Log Jam
PRICE ISLAND
Coho
Lake
Lake
Sockeye
Passable
Log Jams
Lake
1
2
3

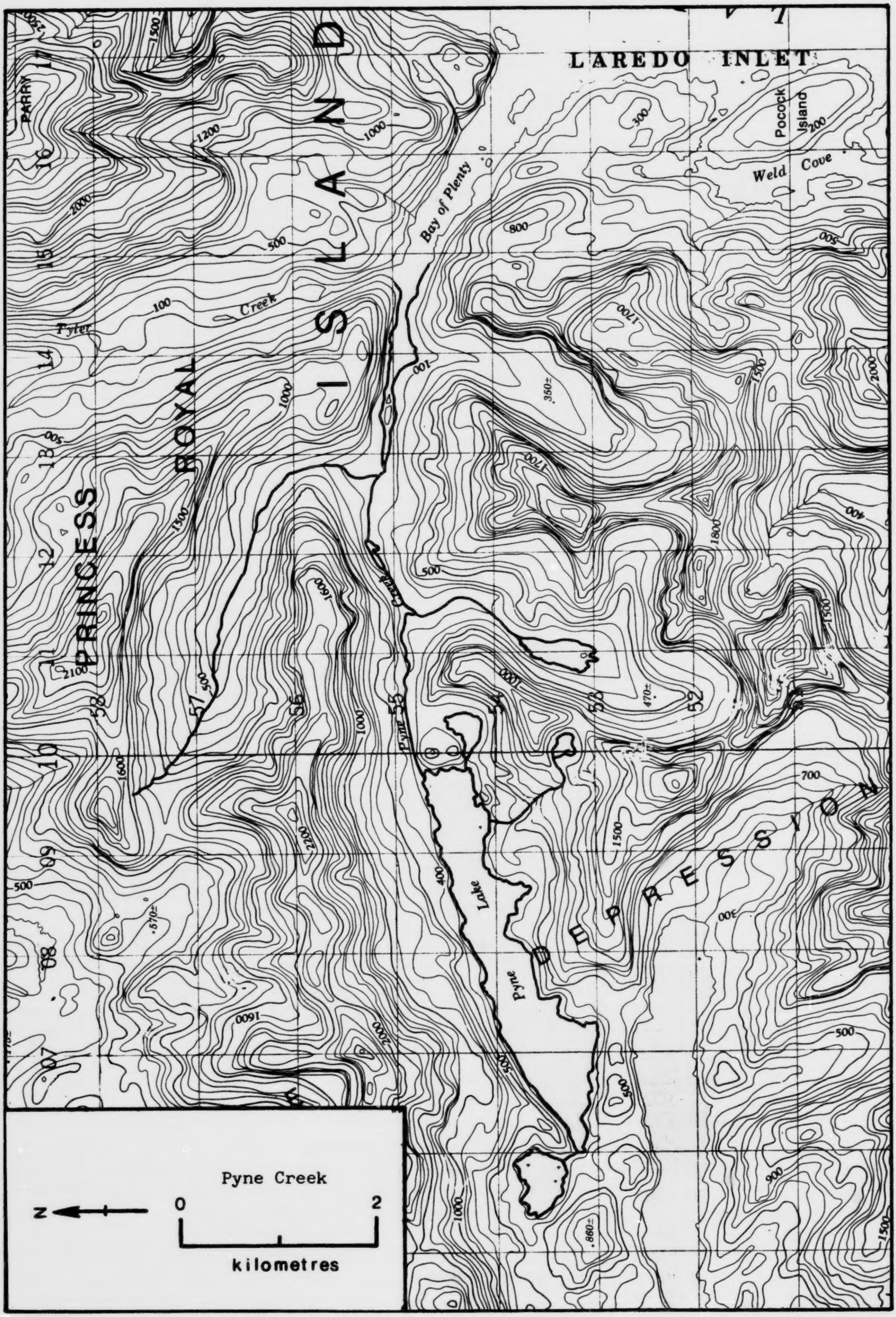
ESCAPEMENT RECORD FOR (Price Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	7500		750	35000	750	
48			1500		750	
49	3500		1500	35000	1500	
50	7500		750	15000	400	
51	4000		1350	14000	500	
52					1500	
53	3500		15000	35000	1500	
54	3500		1500	15000	1500	
55	750		3500	15000	1500	
56	1500		3500	3500	1500	
57	3500		750	7500	75	
58	200		750	1500	750	
59	400		750	200	400	
60	750		400	15000	1500	
61	400		750	3500	200	
62	200		750	1500	1500	
63	3500		1500	7500	3500	
64	1500		750	15000	25	
65	7500		3500	3500	750	
66	N/O		N/O	3000	N/O	
67	3500		750	25	N/O	
68	1500		200	3500	1500	
69	500		200	100	N/O	
70	750		200	200	N/O	
71	750		75	200	N/O	
72	750		200	400	200	
73	4000		500	3000	50	
74	800		50	1000	350	
75	500			3500	6000	
76	100		50	500	2000	
77	UNK		500	3000	250	
78	500		300	10000	2000	
79	500		100	2000	200	
80	700		200	2000	1000	
81						
82						
83						
84						
85						

TIMING

ARRIVE	JULY		SEPT	M. SEPT	L. AUG	
START	M. SEPT		L. SEPT	M. SEPT	E. SEPT	
PEAK	L. SEPT		OCT	M. OCT	M. SEPT	
END	E. OCT		NOV	L. OCT	L. SEPT	

REMARKS


Pyne Creek
N
0
2
kilometres
LAREDO INLET
PRINCESS ROYAL ISLAND
Bay of Plenty
Pocock Island
Weld Cove
Tyler Creek
Pyne Creek
Lake Pyne
DEPRESSION
PARRY

NAME OF STREAM PYNE CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- upper reaches
CHUM	- lower reaches
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1956. Area closed to all net fishing

-1957. Surveyed windfall debris located 4.8 km from stream mouth

-1958. Cleared stream of debris

-1961. Blew up log jams formed in 1960

-1964. Observed an early run of chums and a good pink run

-1965. Low water conditions prevented pinks and chums from moving upstream until late September and prompted pink salmon to spawn extensively in salt water

-1967. Poor spawning conditions in 1965 resulted in a nil return for all species

-1971. Some siltation observed in slow moving areas

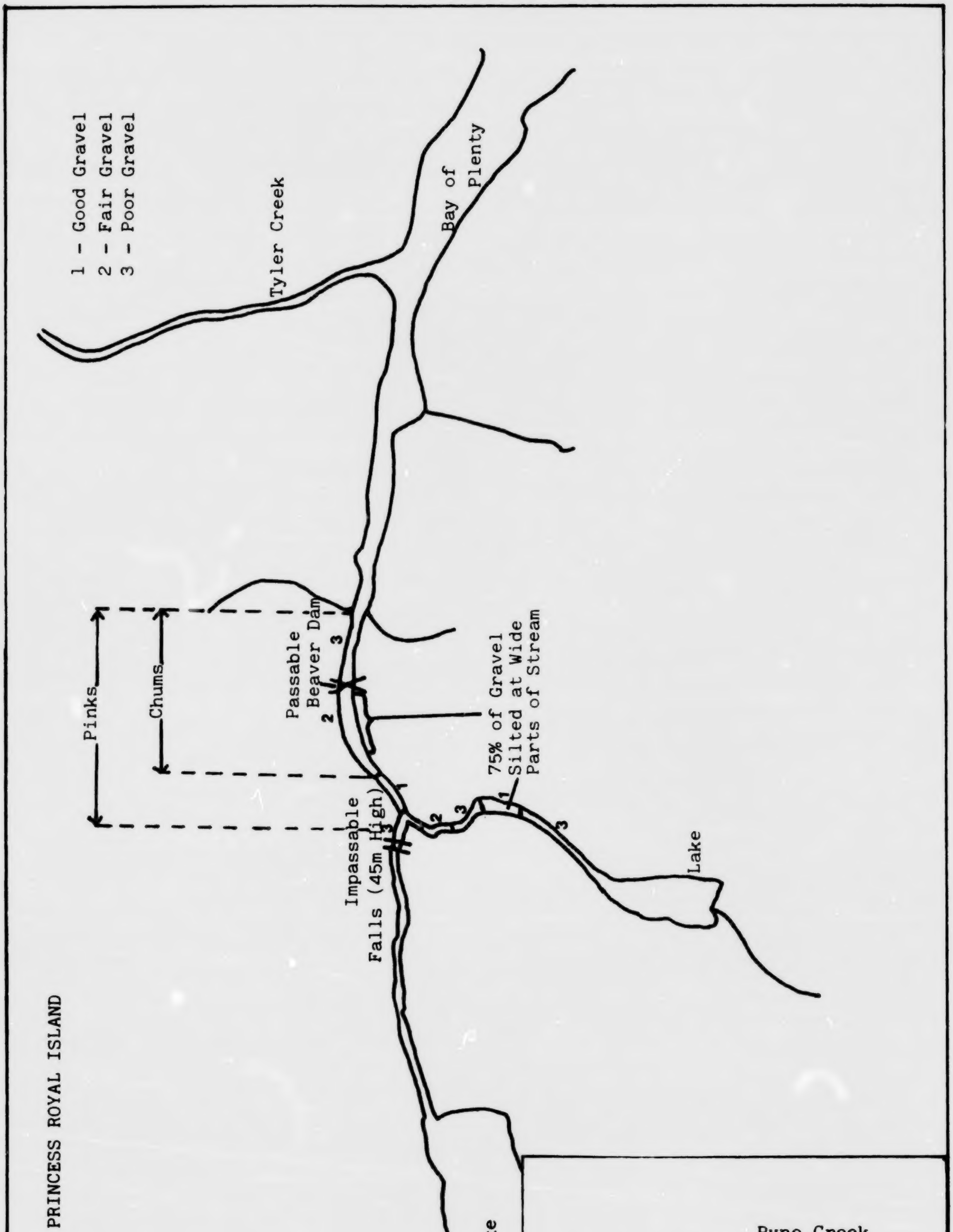
-1974. High water conditions hampered inspection

-1978, 1980. Winter flooding

- Good gravel 8.0-9.5 km upstream

GENERAL REMARKS (cont'd) Pyne Creek

- Protected by revised Laredo Inlet boundaries
- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, seals, and birds


PRINCESS ROYAL ISLAND
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Tyler Creek
Bay of Plenty
Pinks
Chums
Passable Beaver Dam
3
2
75% of Gravel Silted at Wide Parts of Stream
1
Impassable Falls (45m High)
3
2
3
1
3
Lake
Lake
N
Pyne Creek
0
1.28
kilometres

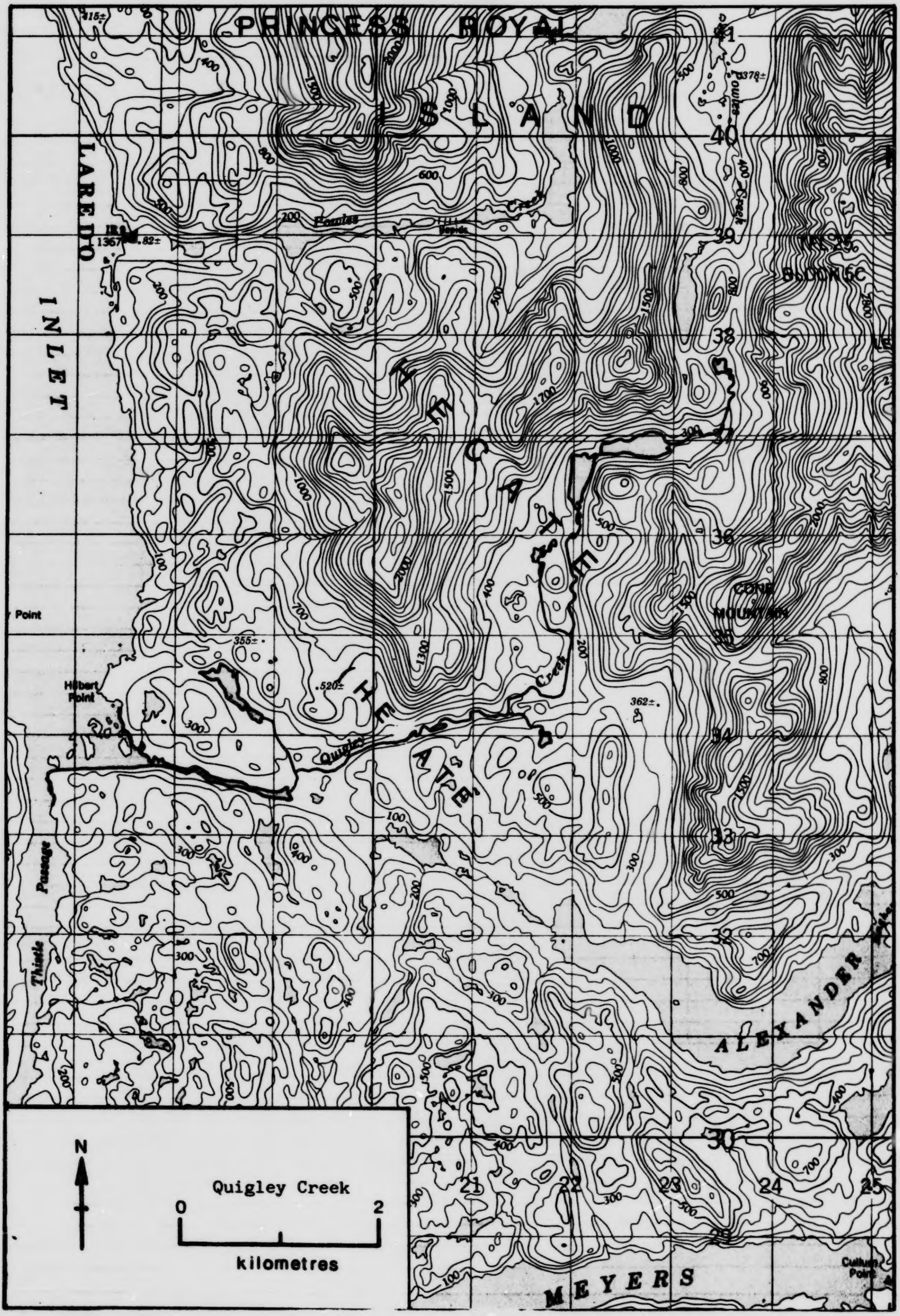
ESCAPEMENT RECORD FOR PYNE CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	1500	750	
48			1500		3500	
49			400	3500	750	
50			1500	7500	3500	
51			700	1500	3000	
52					3500	
53			1500	3500	1500	
54			750	15000	1500	
55			750	75	25	
56			1500	750	750	
57			1500	7500	400	
58			25	7500	3500	
59			200	25	750	
60			400	1500	7500	
61	25		200	750	400	
62	N/O		400	7500	7500	
63	N/O		750	400	400	
64			200	3500	35000	
65	UNK		1500	750	750	
66			N/O	N/O	3000	
67	N/O		N/O	N/O	N/O	
68			N/O	N/O	15000	
69			N/O	350	150	
70			N/O	1500	1500	
71			N/O	200	400	
72			N/O	750	3500	
73			200	500	300	
74			25	400	200	
75			400	N/O	N/O	
76			100	2000	1500	
77			25	1500	750	
78			100	800	2000	
79			200	1500	150	
80			100	625	500	
81						
82						
83						
84						
85						

TIMING

ARRIVE						
START						
PEAK						
END						

REMARKS


PRINCESS ROYAL ISLAND
LAREDO INLET
HECATE
TFL 25 BLOCK 5C
CONE MOUNTAIN
Creek
Rapids
Quigley Creek
Hilbert Point
Point
Passage
Thistle
ALEXANDER
MEYERS
Cullum Point
415±
378±
82±
355±
520±
362±
41
40
39
38
37
36
35
34
33
32
30
29
21
22
23
24
25
N
Quigley Creek
0
2
kilometres

NAME OF STREAM QUIGLEY CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 8.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 3.0 km, except to coho

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- upper reaches and lake
CHINOOK	
COHO	- upper reaches and lake
CHUM	- lower and tidal reaches
PINK (ODD YEAR)	- lower and tidal reaches
PINK (EVEN YEAR)	- lower and tidal reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1958. Low water prevented sockeye from ascending falls, but no salt water mortality

-1960. Wearing of rock at second falls has changed the water action , and unless water conditions are ideal, fish experience difficulty negotiating falls

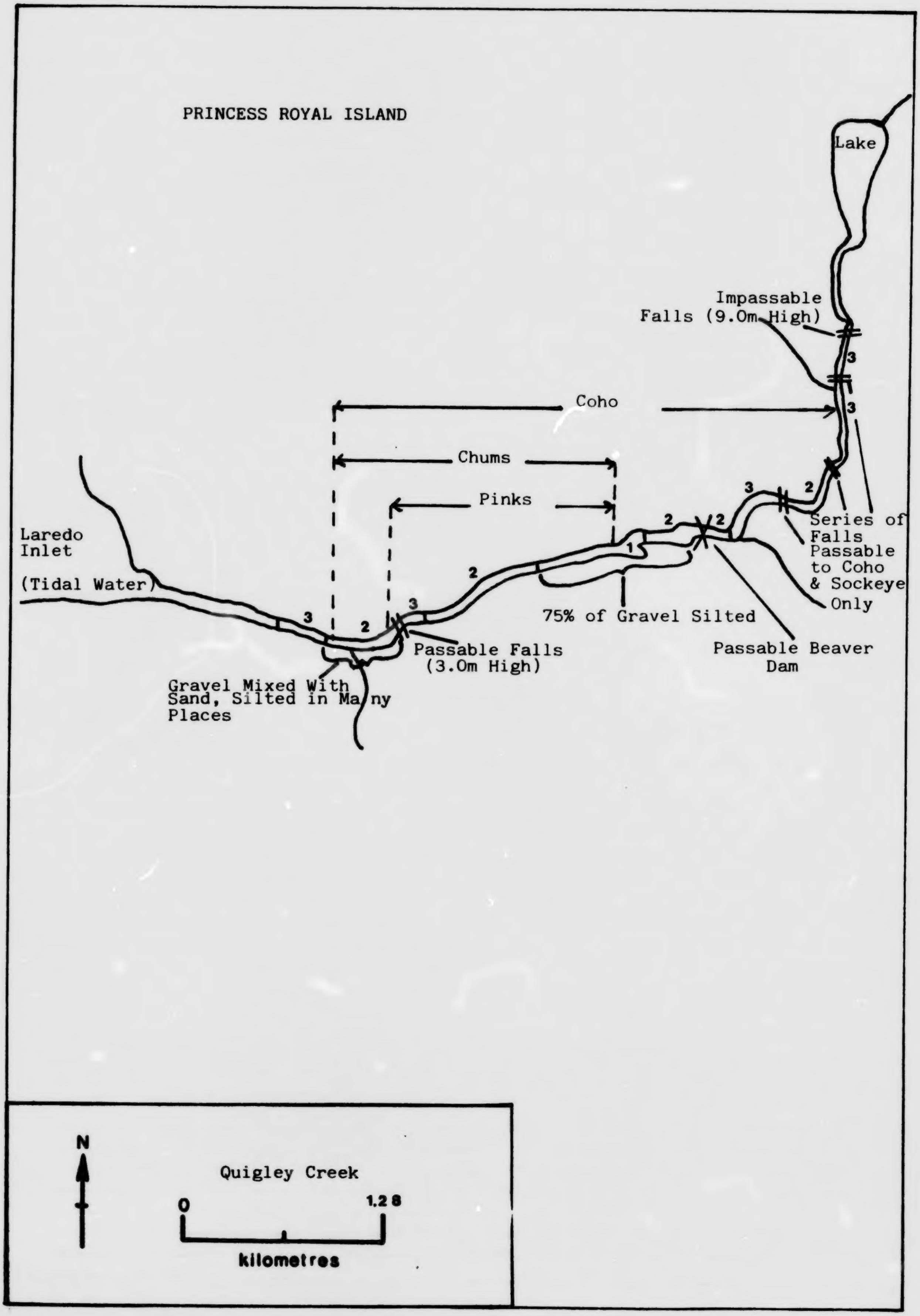
-1965. Upstream migration delayed by low water. Sockeye runs easily poached

-1967. Poor returns noted because of poor spawning in 1965

-1972. Low water levels delayed upstream migration until mid September

-1974, 1978, 1980. Flood conditions in winter

- Lower 0.8 km of stream are tidal
- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, and eagles


PRINCESS ROYAL ISLAND
Lake
Impassable Falls (9.0m High)
Coho
Chums
Pinks
Laredo Inlet
(Tidal Water)
3
2
3
2
1
2
2
3
2
3
3
Series of Falls Passable to Coho & Sockeye Only
75% of Gravel Silted
Passable Beaver Dam
Passable Falls (3.0m High)
Gravel Mixed With Sand, Silted in Many Places
N
Quigley Creek
0
1.28
kilometres

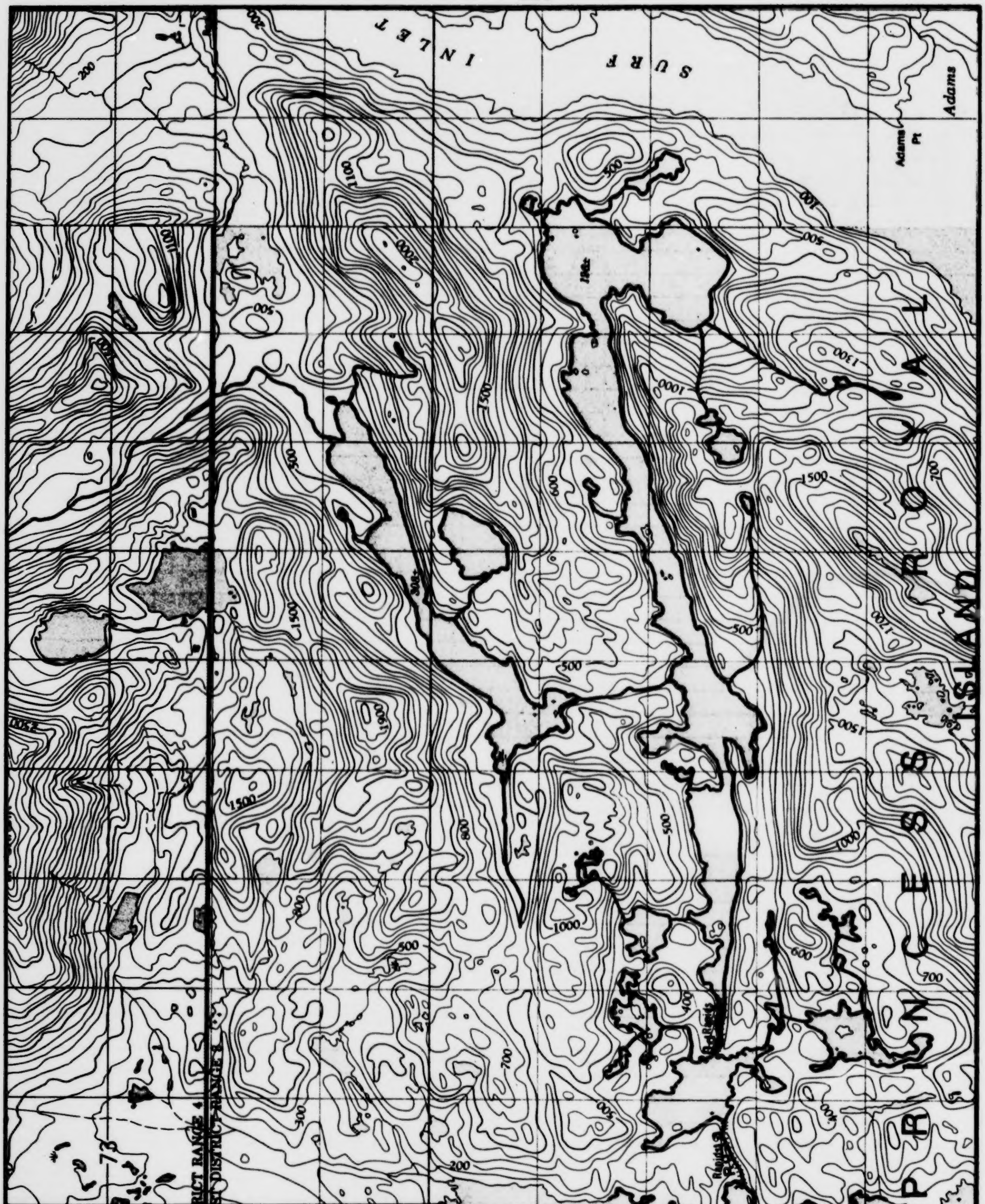
ESCAPEMENT RECORD FOR QUIGLEY CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	200		400	200	75	
48			400		75	
49	400		200	75	25	
50	750		400	750	1500	
51	50		500	50	100	
52					1500	
53	400		200	25	75	
54	750		400	25	1500	
55	25		400	25	75	
56	400		400	75	1500	
57	400		400	400	N/0	
58	400		25	25	400	
59	400		400	25	25	
60	N/0		N/0		25	
61	N/0		750	200	750	
62	75		750	75	7500	
63	1500		75	75	7500	
64	25		400	UNK	1500	
65	750		750	200	3500	
66	N/0		N/0	N/0	250	
67	N/0		N/0	400	N/0	
68	75		1500	750	7500	
69	N/0		200	300	120	
70	N/0		200	400	1500	
71	N/0		400	25	75	
72	N/0		200	N/0	400	
73	N/0		300	N/0	100	
74			150	N/0	300	
75			N/0	N/0	75	
76			100	N/0	2000	
77			1000		160	
78			100		800	
79			500		400	
80			200		200	
81						
82						
83						
84						
85						

TIMING

ARRIVE			L. AUG		E. SEPT	
START			SEPT		M. SEPT	
PEAK			L. SEPT		L. SEPT	
END			NOV		E. OCT	

REMARKS


SURF INLET
Adams
Adams Pt
PRINCESS ROYAL ISLAND
CHAPPLE INLET
INL
Kiln Bay
McKechnie Pt
N
Roland Creek
0
2
kilometres
200
500
1100
1500
1000
1300
700
600
800
400
300
100

NAME OF STREAM (Roland Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Chapple Inlet. Rge. 3. Coast Dist.

POSITION 52°48'N 128°55' W

LENGTH 6.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout (upper reaches)
CHUM	- in small streams tributary to lake
PINK (ODD YEAR)	- in small streams tributary to lake
PINK (EVEN YEAR)	- in small streams tributary to lake
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Chum spawning declined from brood year due to low water

-1957. Low water prompted tidal spawning

-1965. Low water delayed upstream migration until mid September

-1966. High water impaired inspection

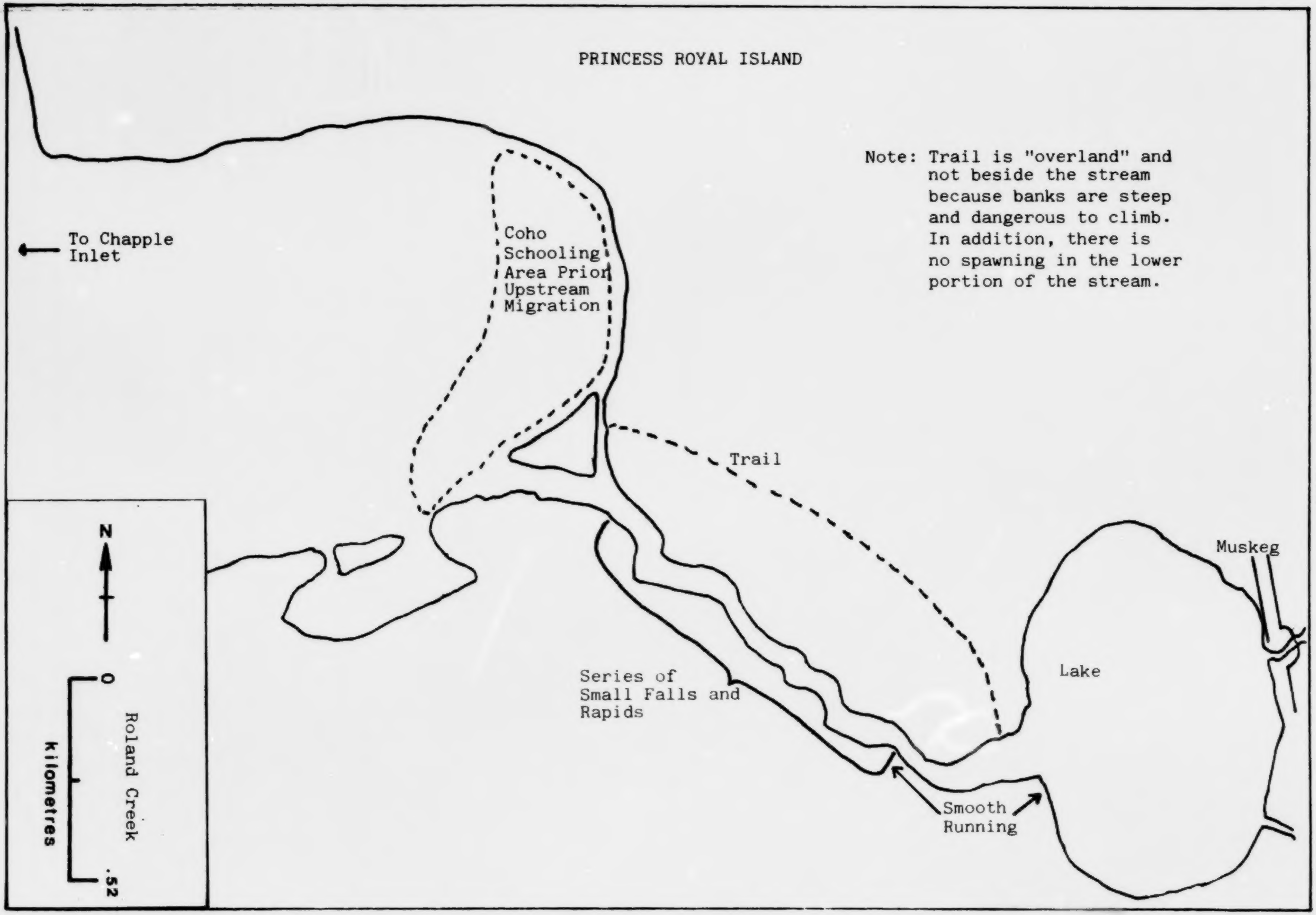
-1968. Good coho run. Patrolmen assisted spawners over cascades because water levels were so low

-1970. Fast flow, small lakes and cascades not attractive to pinks and chums for spawning

-1974. Dark water impaired observation

-1974, 1978, 1980. Winter flooding

- Good spawning and rearing areas in creek
- Log debris surveyed annually and cleared as required
- Subject to seasonal fluctuations in water levels


PRINCESS ROYAL ISLAND
To Chapple Inlet
Coho Schooling Area Prior Upstream Migration
Trail
Series of Small Falls and Rapids
Smooth Running
Lake
Muskeg
N
0
.52
kilometres

Note: Trail is "overland" and not beside the stream because banks are steep and dangerous to climb. In addition, there is no spawning in the lower portion of the stream.

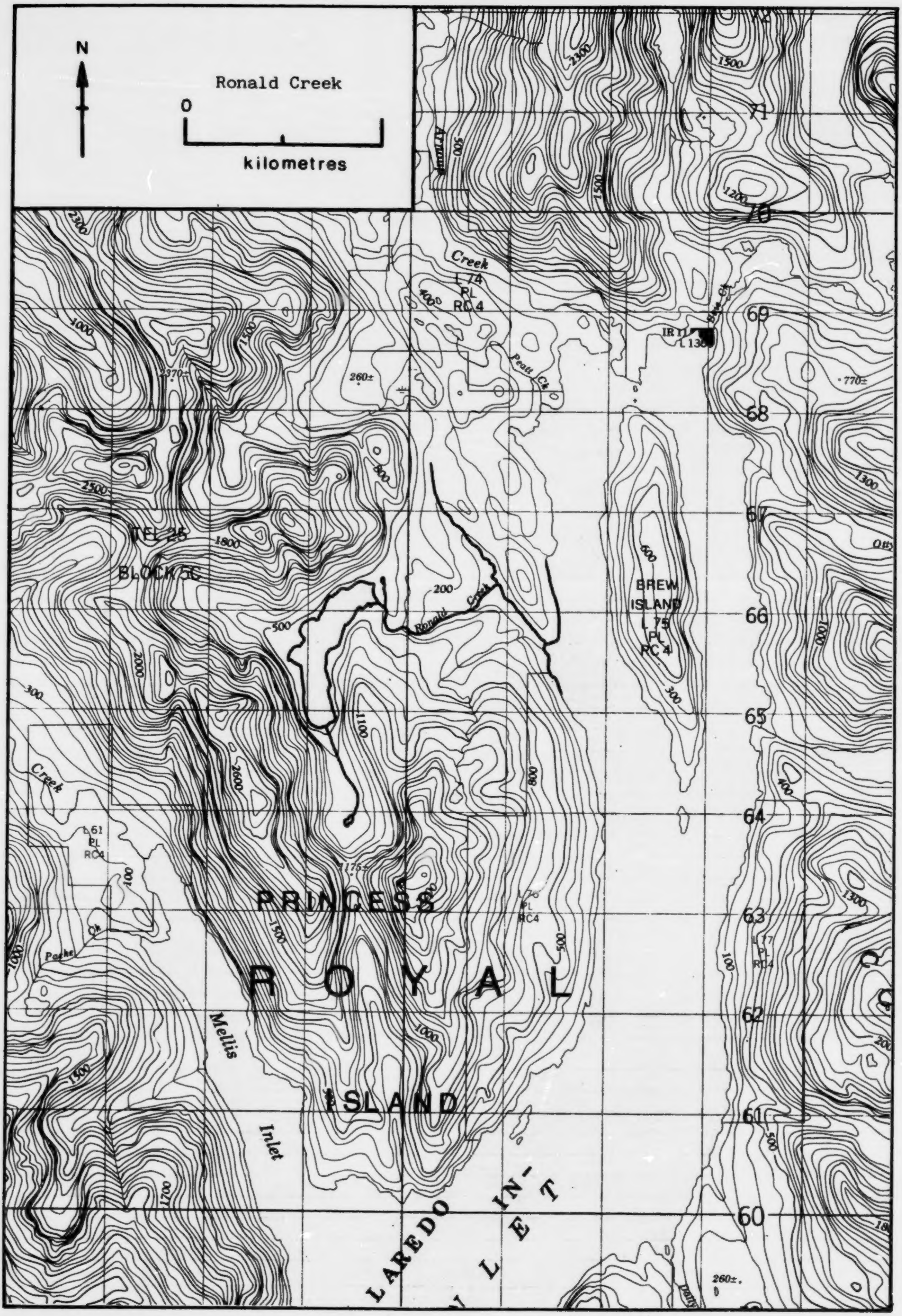
Roland Creek

ESCAPEMENT RECORD FOR (Roland Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947				3500		
48			75		1500	
49			75	200	200	
50			75	400	75	
51			100	50	100	
52					1500	
53			75	200	75	
54			75	1500	750	
55			400	3500	1500	
56			1500	750	3500	
57			200	400	400	
58			400	400	750	
59			200	25	400	
60			400	1500	1500	
61			400	200	400	
62			750	1500	3500	
63			15000	3500	750	
64			7500	3500	3500	
65			400	200	1500	
66			N/O	N/O	N/O	
67			750	N/O	N/O	
68			3500	N/O	N/O	
69			N/O		N/O	
70			1500	N/O	N/O	
71			750	N/O	N/O	
72			750	N/O	N/O	
73			500	N/O	N/O	
74			1500	N/O	500	
75			700	N/O	N/O	
76			N/O		N/O	
77			200			
78			400		N/O	
79			400			
80			500			
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT			
START			M. SEPT			
PEAK			OCT			
END			NOV			

REMARKS


N
Ronald Creek
0
kilometres
Creek
L 74
PL
RC 4
Peatt Ck
IR 11
L 138
Bare Ck
Arnoup
TFL 25
BLOCK 5C
Ronald Creek
BREW
ISLAND
L 75
PL
RC 4
Creek
L 61
PL
RC4
Parke
Ck
L 76
PL
RC4
L 77
PL
RC4
PRINCESS
ROYAL
ISLAND
Mellis
Inlet
LAREDO IN-
LET
Otter
72
71
70
69
68
67
66
65
64
63
62
61
60
2300
1500
1200
500
400
260±
770±
2370±
1000
1300
800
1800
200
500
600
300
2000
1100
2600
1175±
1500
1000
100
1700
260±

NAME OF STREAM RONALD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into head of Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 2 .4 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0 75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls to coho at 0.5 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- to falls located about 0.4 km upstream
PINK (ODD YEAR)	- to falls located about 0.4 km upstream
PINK (EVEN YEAR)	- to falls located about 0.4 km upstream
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1966. High flows hampered survey of spawning grounds

-1971. Some silted gravel (see sketch map for location)

-1972. Low water in stream prevented fish from clearing the falls near the mouth and restricted them to the lower reaches

-1974, 1978, 1980. Probable scouring and erosion of streambed caused by winter flooding

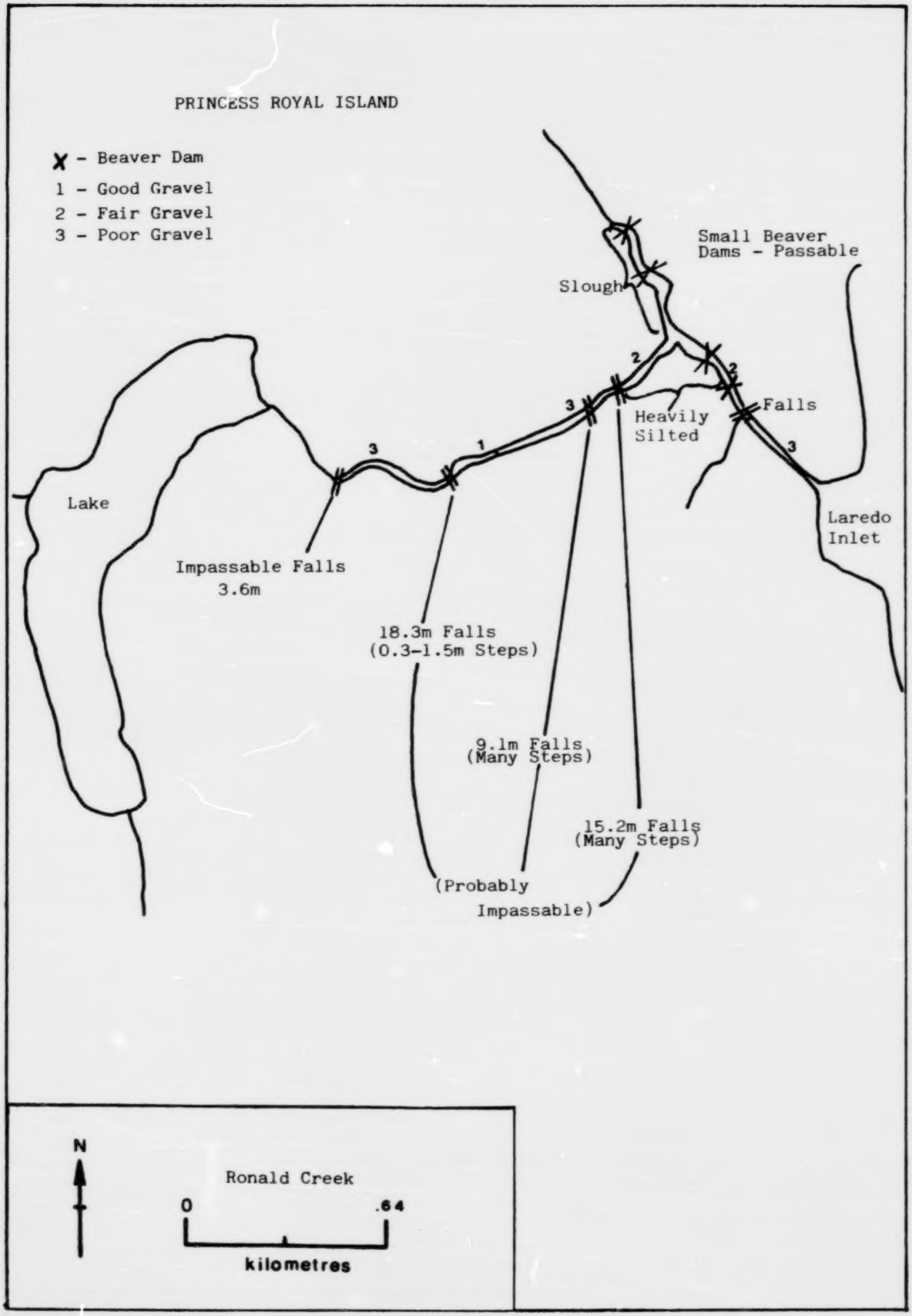
-1979. Dark coloured water made observations difficult

- Passable cascades 1.6-4.0 km from mouth difficult to negotiate when flows are low

- Steep, rock creek bed

- Subject to seasonal fluctuations in water levels

- Light predation by bears and wolves


PRINCESS ROYAL ISLAND
X - Beaver Dam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
Small Beaver Dams - Passable
Slough
2
2
Falls
3
Heavily Silted
1
3
3
Lake
Laredo Inlet
Impassable Falls 3.6m
18.3m Falls (0.3-1.5m Steps)
9.1m Falls (Many Steps)
15.2m Falls (Many Steps)
(Probably Impassable)
N
Ronald Creek
0
.64
kilometres

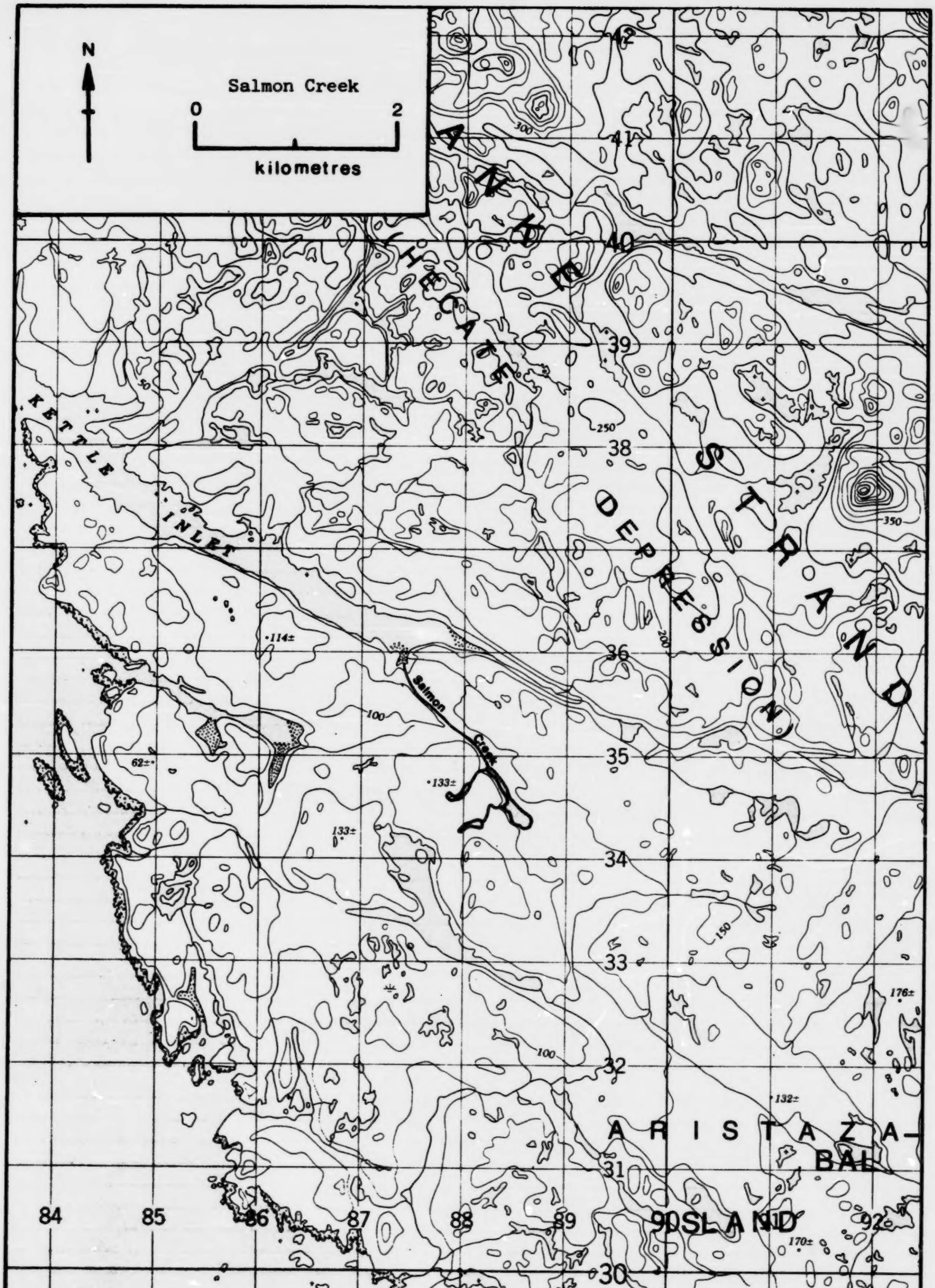
ESCAPEMENT RECORD FOR RONALD CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	25	25	
48			75		750	
49			25	75	25	
50			750	25	400	
51			100	50	50	
52					25	
53			25	25	25	
54			25	25	25	
55			25	25	25	
56			25	25	400	
57			N/O	25	N/O	
58			200	N/O	75	
59			200	25	25	
60			75	75	75	
61			200	25	25	
62			200	1500	7500	
63			200	25	25	
64			200	1500	3500	
65			N/O	N/O	N/O	
66			N/O	N/O	N/O	
67			N/O	25	N/O	
68			N/O	1500	N/O	
69			N/O	N/O	N/O	
70			N/O	25	N/O	
71			N/O	N/O	N/O	
72				75	400	
73				300	50	
74				200	50	
75			350	350	N/O	
76				N/O	N/O	
77	UNK		UNK	N/O		
78			N/O	N/O	N/O	
79			N/O	N/O		
80			25	75	15	
81						
82						
83						
84						
85						

TIMING

ARRIVE			E. SEPT			
START			E. SEPT			
PEAK			M. SEPT			
END			L. SEPT			

REMARKS


N
Salmon Creek
0
2
kilometres
A N K E
S T R A N D
(HECATE DEPRESSION)
KETTLE INLET
Salmon Creek
ARISTAZABAL ISLAND
300
250
350
200
50
100
150
100
114±
62±
133±
133±
176±
132±
170±
132±
117±
42
41
40
39
38
36
35
34
33
32
31
30
84
85
86
87
88
89
90
92

NAME OF STREAM (Salmon Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Kettle Inlet, Rge. 3, Coast Dist.

POSITION 53°30' N 130°13' W

LENGTH 10.5 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- lake
CHINOOK	
COHO	- lake
CHUM	- in stream and near mouth
PINK (ODD YEAR)	- in stream
PINK (EVEN YEAR)	- in stream
STEELHEAD	

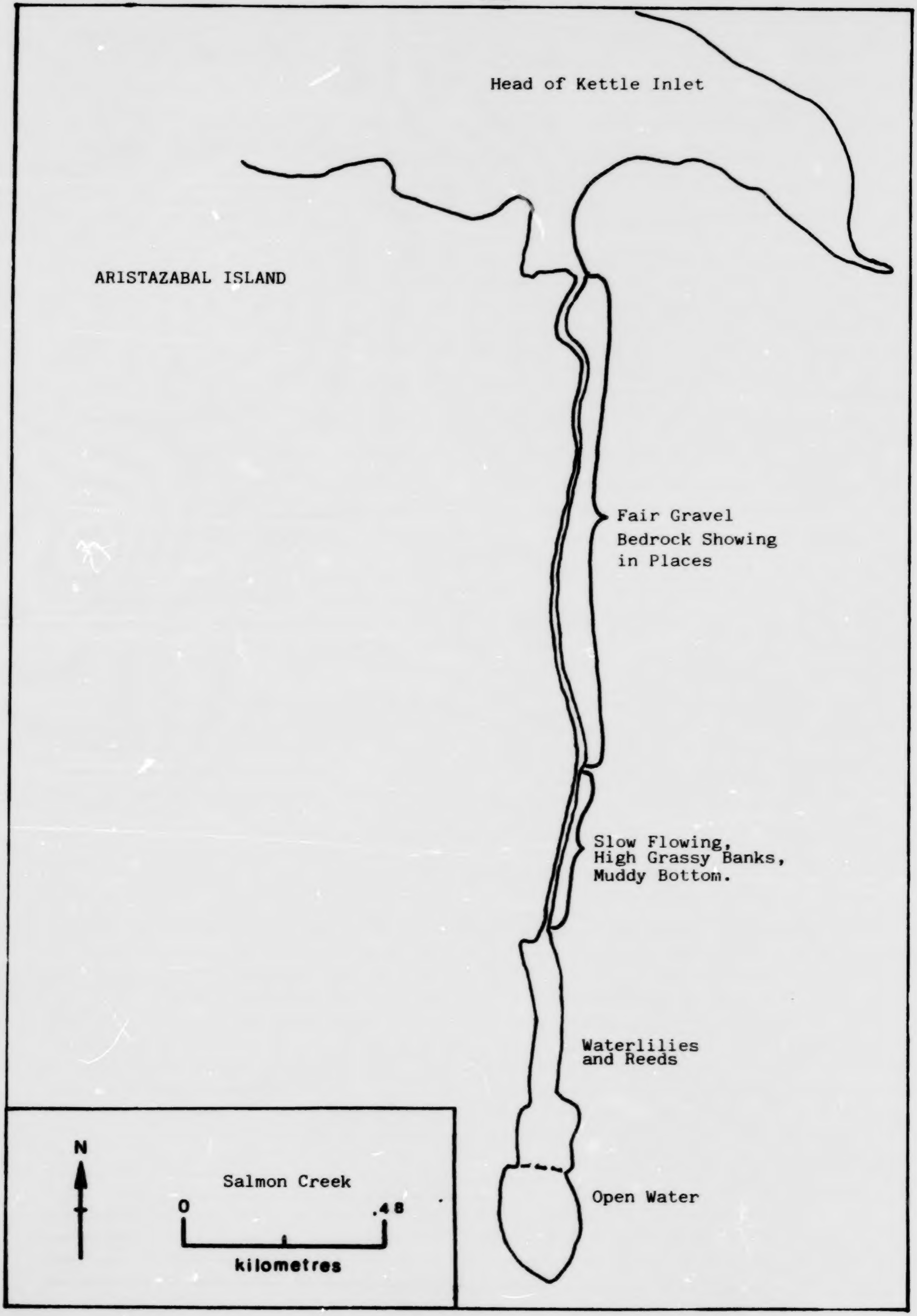
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1966. Discoloured water impaired observations

-1969. Patrolmen suggest removal of stream from active records

- Limited production with no spawning potential
- Lake-fed stream
- Subject to seasonal low flows
- Some predation by birds, wolves, otters, and bears

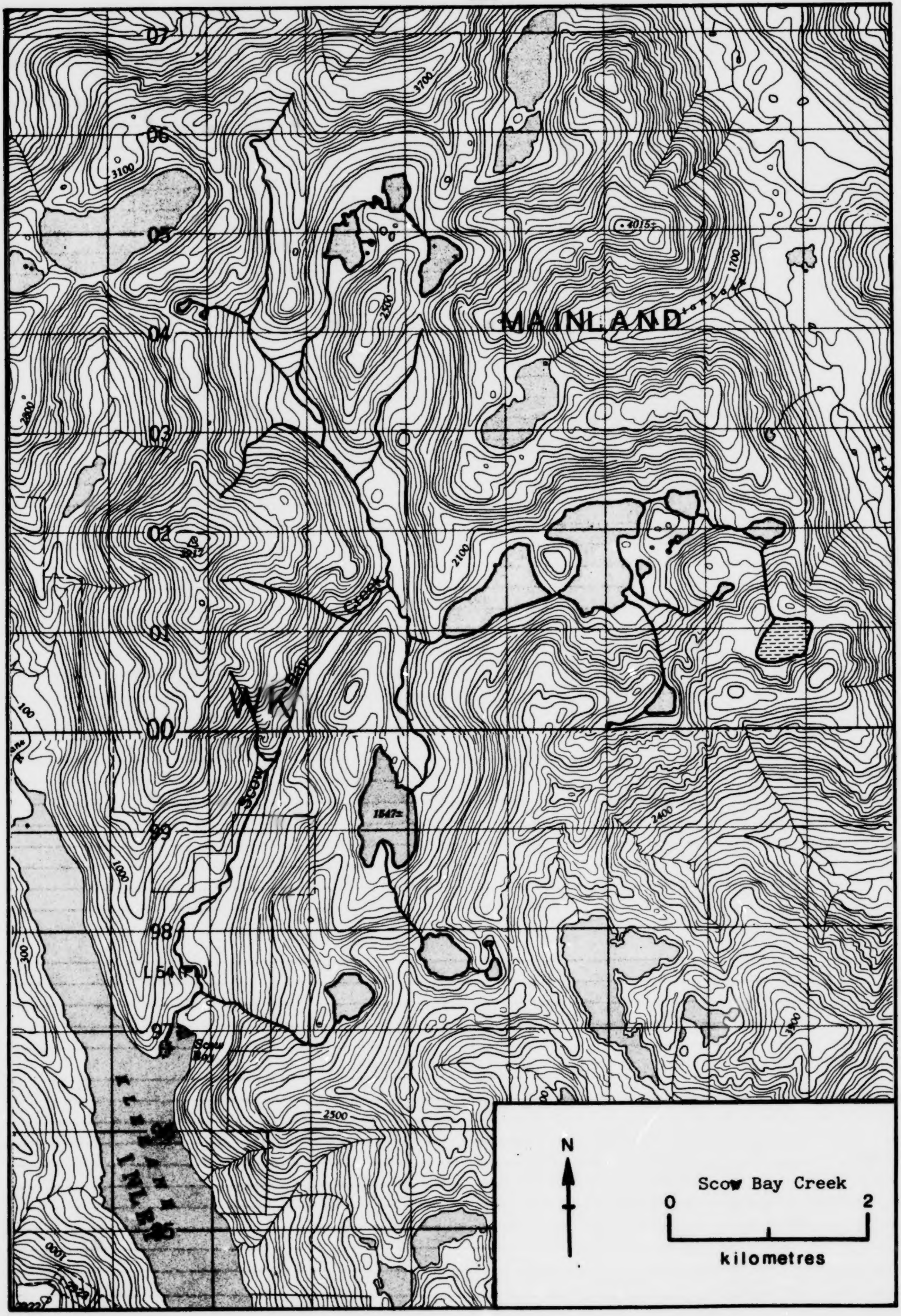

Head of Kettle Inlet
ARISTAZABAL ISLAND
Fair Gravel
Bedrock Showing
in Places
Slow Flowing,
High Grassy Banks,
Muddy Bottom.
Waterlilies
and Reeds
Open Water
N
Salmon Creek
0
.48
kilometres

ESCAPEMENT RECORD FOR (Salmon Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	400		7500	75	25	
48			7500		25	
49	750		7500	200	75	
50	400		3500	200	25	
51	100		3500	250	500	
52					1500	
53	750		3500	400	200	
54	400		7500	200	1500	
55	400		1500	750	750	
56	200		3500	750	3500	
57	400		3500	750	750	
58	400		3500	750	1500	
59	200		750	N/O	200	
60	400		3500	750	1500	
61	400		750	25	200	
62	200		1500	25	200	
63	200		7500	200	1500	
64	400		750	750	N/O	
65	UNK		UNK	200	N/O	
66			N/O	N/O	N/O	
67			N/O	200	N/O	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			N/O	N/O	N/O	
73			N/O	20	N/O	
74			N/O	N/O	N/O	
75			N/O	N/O	N/O	
76					N/O	
77				N/O		
78				20		
79				N/O		
80				N/O		
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS

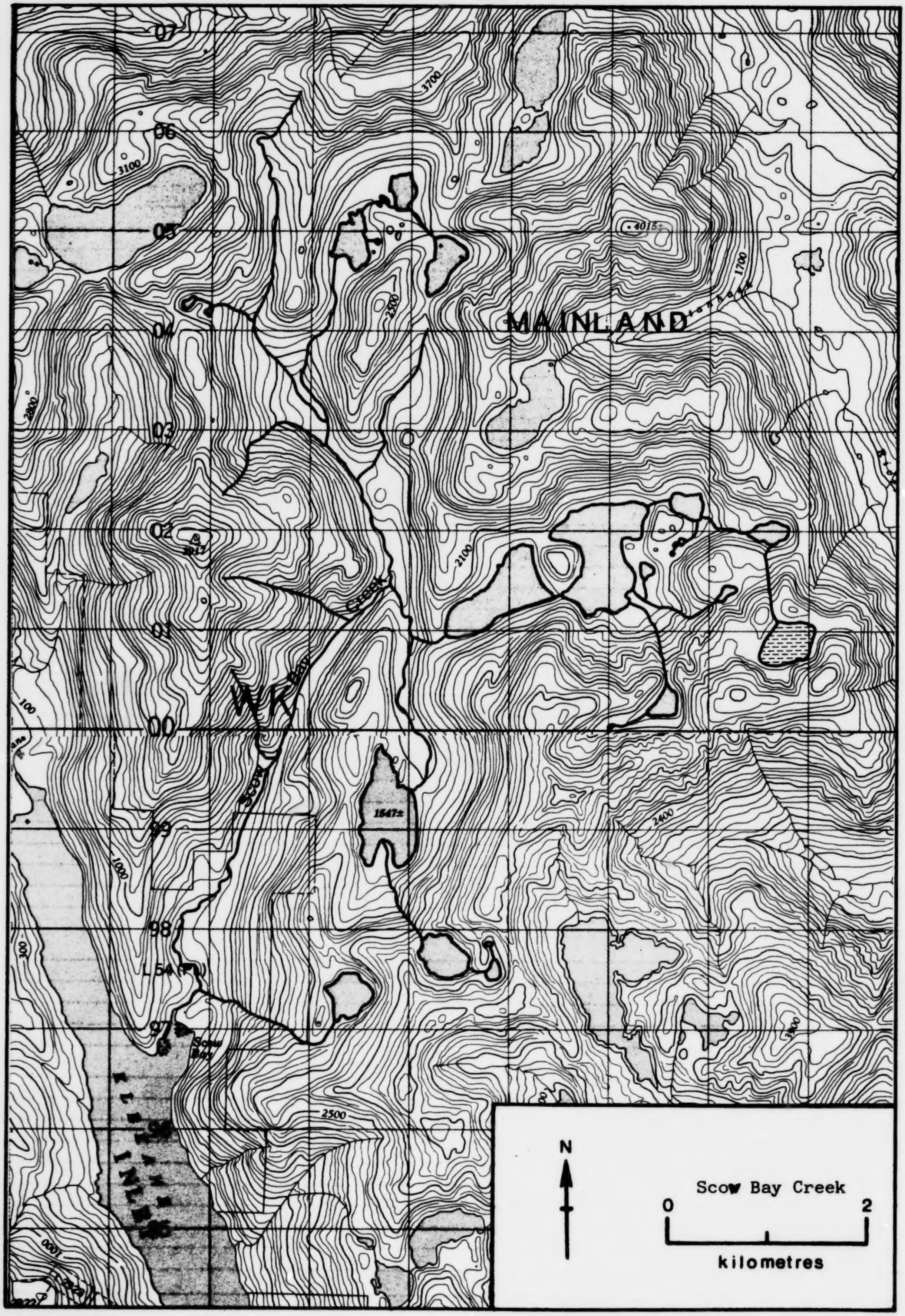

07
06
05
04
03
02
01
00
99
98
97
96
95
3700
3100
4015±
2500
1700
MAINLAND
2800
2100
Creek
Bay
Scow
1547±
2400
1000
300
100
L54
Scow Bay
2500
N
Scow Bay Creek
0
2
kilometres

ESCAPEMENT RECORD FOR (Salmon Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	400		7500	75	25	
48			7500		25	
49	750		7500	200	75	
50	400		3500	200	25	
51	100		3500	250	500	
52					1500	
53	750		3500	400	200	
54	400		7500	200	1500	
55	400		1500	750	750	
56	200		3500	750	3500	
57	400		3500	750	750	
58	400		3500	750	1500	
59	200		750	N/O	200	
60	400		3500	750	1500	
61	400		750	25	200	
62	200		1500	25	200	
63	200		7500	200	1500	
64	400		750	750	N/O	
65	UNK		UNK	200	N/O	
66			N/O	N/O	N/O	
67			N/O	200	N/O	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			N/O	N/O	N/O	
73			N/O	20	N/O	
74			N/O	N/O	N/O	
75			N/O	N/O	N/O	
76					N/O	
77				N/O		
78				20		
79				N/O		
80				N/O		
81						
82						
83						
84						
85						

TIMING						
ARRIVE						
START						
PEAK						
END						

REMARKS


07
06
05
04
03
02
01
00
99
98
97
3700
3100
4015±
1700
2500
2800
2100
2400
1000
300
100
1547±
MAINLAND
WK
Scow Bay Creek
L 54
Scow Bay
INLET
N
Scow Bay Creek
0
2
kilometres

NAME OF STREAM (Scow Bay Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows into Klekane Inlet. Rge. 4. Coast Dist.

POSITION 53°15'N 128°40'W

LENGTH 8.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Rock falls 1.6 km from stream mouth difficult to negotiate at low flows

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to 2.5 km
CHUM	- to 2.5 km
PINK (ODD YEAR)	- to 2.5 km
PINK (EVEN YEAR)	- to 2.5 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low flows delayed upstream migration until mid September

-1956. Klekane Inlet closure instigated

-1959. Klekane Inlet closure resulting in increased salmon stocks. Possible digging of previously spawned eggs deposited by late spawners in concentrated areas

-1964. Numbers down from brood year although some good fishing reported in nearby vicinity

-1965. Severe low flows caused crowding of pinks on lower spawning grounds

-1968. Low flows necessitated salvage of coho fry from isolated pools

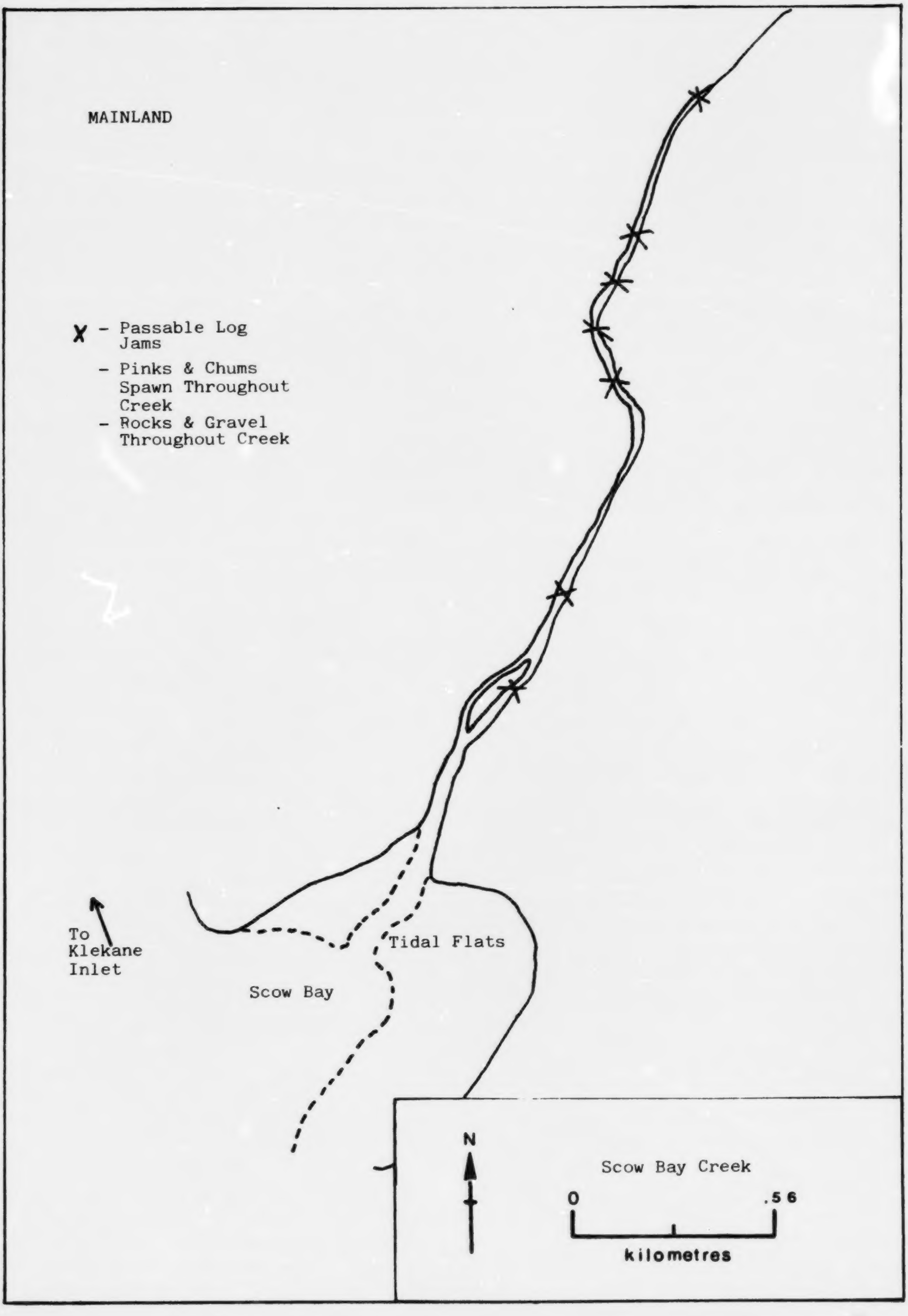
-1969. Numerous passable windfalls along length of creek

-1974, 1978, 1980. Winter flooding observed

- Small stream with good production figures
- Good spawning gravel in lower reaches
- No spawning habitat above rock falls

GENERAL REMARKS (cont'd) Scow Bay Creek

- Heaviest spawning near the mouth, but well distributed throughout available spawning area
- Subject to seasonal fluctuations in water levels
- Some predation by bears and birds


MAINLAND
X - Passable Log Jams
- Pinks & Chums Spawn Throughout Creek
- Rocks & Gravel Throughout Creek
To Klekane Inlet
Tidal Flats
Scow Bay
N
Scow Bay Creek
0
.56
kilometres

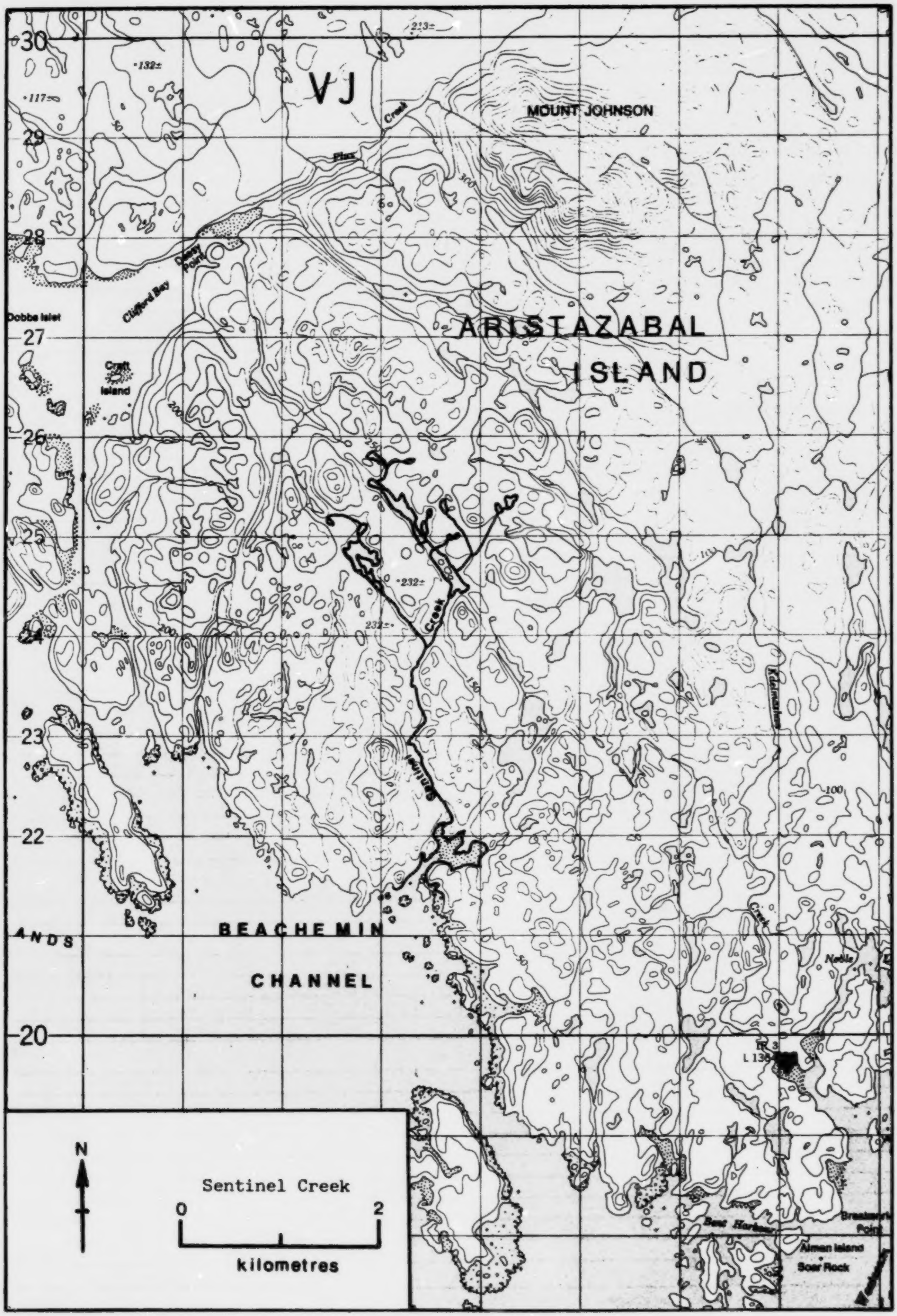
ESCAPEMENT RECORD FOR (Scow Bay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			75	3500	3500	
48			400		1500	
49			1500	750	15000	
50			75	400	750	
51			400	1800	8500	
52					3500	
53			75	7500	3500	
54			400	3500	7500	
55			75	75	3500	
56			400	750	7500	
57			3500	7500	3500	
58			3500	7500	35000	
59		75	75	1500	35000	
60			750	7500	35000	
61			25	400	75000	
62			75	3500	35000	
63			1500	1500	35000	
64			75	3500	3500	
65			200	400	15000	
66			300	800	5000	
67			75	7500	7500	
68			200	7500	15000	
69			500	100	3000	
70			200	200	3500	
71			200	1500	10000	
72			200	3500	15000	
73			200	200	5000	
74			200	3000	1500	
75				1800	7200	
76			20	100	6000	
77			10	55	3500	
78			N/O	6000	250	
79			N/O	100	15000	
80			15	70	4600	
81						
82						
83						
84						
85						

TIMING

ARRIVE			SEPT	M. AUG	M. AUG	
START			L. SEPT	E. SEPT	L. AUG	
PEAK			OCT	E. SEPT	M. SEPT	
END			NOV	L. SEPT	L. SEPT	

REMARKS


30
29
28
27
26
25
24
23
22
20
•132±
•117±
223±
VJ
Creek
Flux
MOUNT JOHNSON
300
Davy Point
Clifford Bay
Dobbs Islet
Craft Island
ARISTAZABAL
ISLAND
200
•232±
232±
Creek
150
100
100
Sentinel
ANDS
BEACHEMIN
CHANNEL
Creek
Noble
IR 3
L 136
Best Harbour
Breaker Point
Aimen Island
Soar Rock
N
Sentinel Creek
0
2
kilometres

NAME OF STREAM (Sentinel Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Beauchemin Chan., Rge. 3, Coast Dist.

POSITION 52°25'N 129°02'W

LENGTH 4 .8 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT	
0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- upper reaches to lake and above
CHUM	- lower reaches
PINK (ODD YEAR)	- in sandy section - 1.2-2.0 km from mouth
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

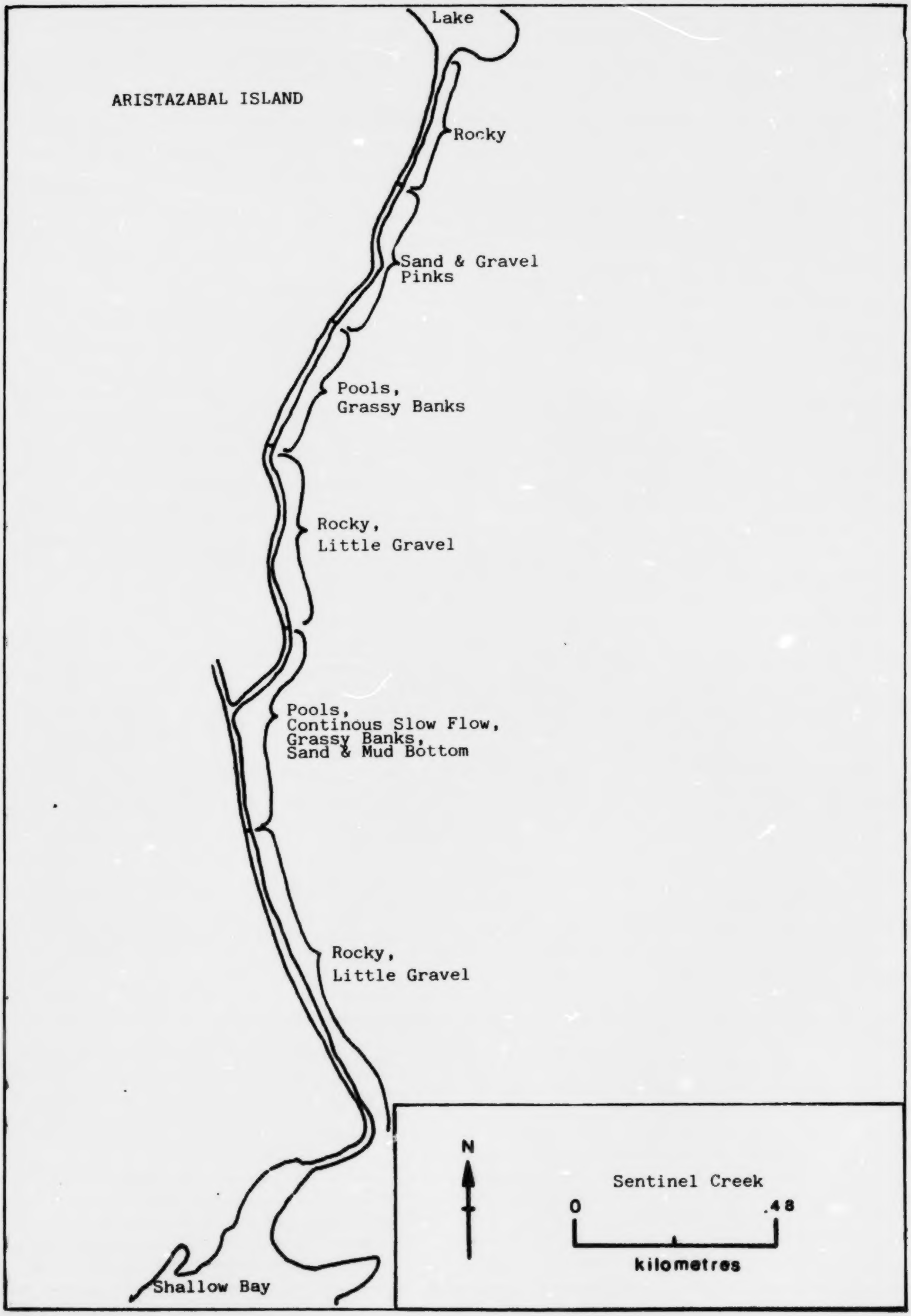
GENERAL REMARKS

-1951. Severe drought effected upstream migration of sockeye

-1966. Turbid water hampered inspection

-1974, 1978, 1980. Some scouring and erosion of streambed as a result of flooding

- Some good spawning areas in stream
- Steep and rocky creek bed
- Subject to seasonal fluctuations in water levels
- Light predation by bears, wolves, otters, and birds


Lake
ARISTAZABAL ISLAND
Rocky
Sand & Gravel
Pinks
Pools,
Grassy Banks
Rocky,
Little Gravel
Pools,
Continous Slow Flow,
Grassy Banks,
Sand & Mud Bottom
Rocky,
Little Gravel
Shallow Bay
N
Sentinel Creek
0
.48
kilometres

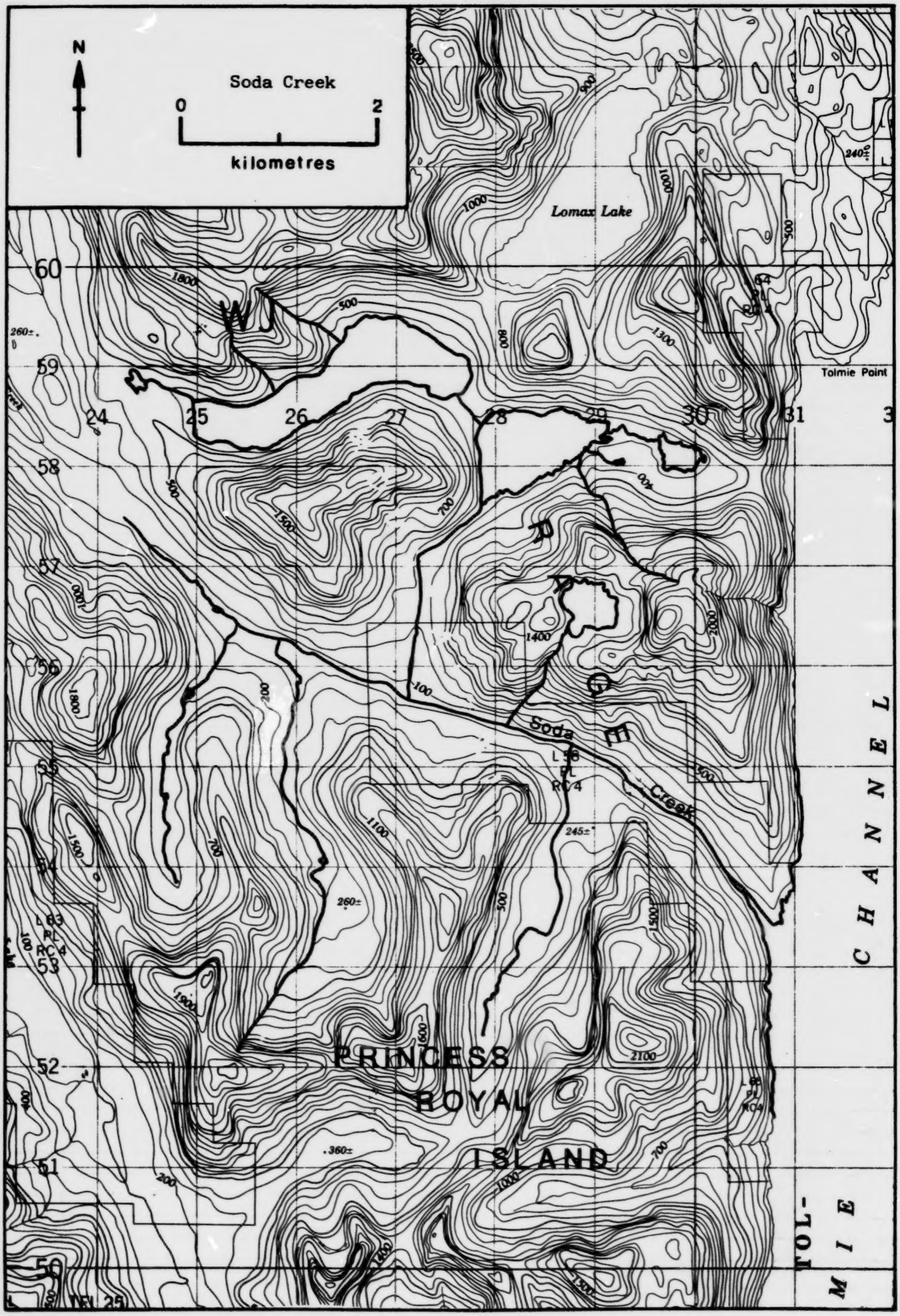
ESCAPEMENT RECORD FOR (Sentinel Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	750		750	1500	75	
48			750		3500	
49	200		400	75	75	
50	75		400	25	25	
51	100		1000	800	100	
52					200	
53	400		750	200	25	
54	750		750	25	200	
55	400		1500	25	25	
56	750		1500	200	750	
57	1500		1500	3500	1500	
58	750		750	750	400	
59	200		400	25	200	
60	750		750	1500	75	
61	1500		750	200	200	
62	750		750	400	750	
63	200		1500	25	400	
64	UNK		UNK	UNK	UNK	
65			NOT	INSPECTED		
66	UNK		UNK	UNK	UNK	
67	N/O		25	200	N/O	
68	N/O		N/O	N/O	750	
69			130	N/O	N/O	
70			N/O	N/O	750	
71			N/O	N/O	N/O	
72			400	N/O	400	
73			N/O	N/O	N/O	
74			100	N/O	200	
75			N/O	1	N/O	
76			N/O	1	3	
77			N/O	N/O	N/O	
78			N/O	50	50	
79			N/O	10	N/O	
80			NOT	INSPECTED		
81						
82						
83						
84						
85						

TIMING

ARRIVE					E. SEPT	
START					SEPT	
PEAK					SEPT	
END					OCT	

REMARKS


N
Soda Creek
0
2
kilometres
Lomax Lake
Tolmie Point
240±
260±
245±
360±
60
59
58
57
56
55
54
53
52
51
50
24
25
26
27
28
29
30
31
WJ
R
A
G
E
Soda
Creek
L 64
PL
RC 4
L 58
PL
RC 4
L 63
PL
RC 4
L 66
PL
RC 4
PRINCESS
ROYAL
ISLAND
TOL-
MIE
CHANNEL
TFL 25

NAME OF STREAM (Soda Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Tolmie Chan., Rge. 3, Coast Dist.

POSITION 52°50'N 128°30'W

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 5.0 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Low flows delayed upstream migration

-1955. Poor seeding

-1959. Heavy spawning in vicinity of forks

-1961. Passable log jam at 4.8 km

-1966. Evidence of digging by pinks

-1967. Good producer of even-year pinks

-1970. Low water delayed upstream migration

-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system

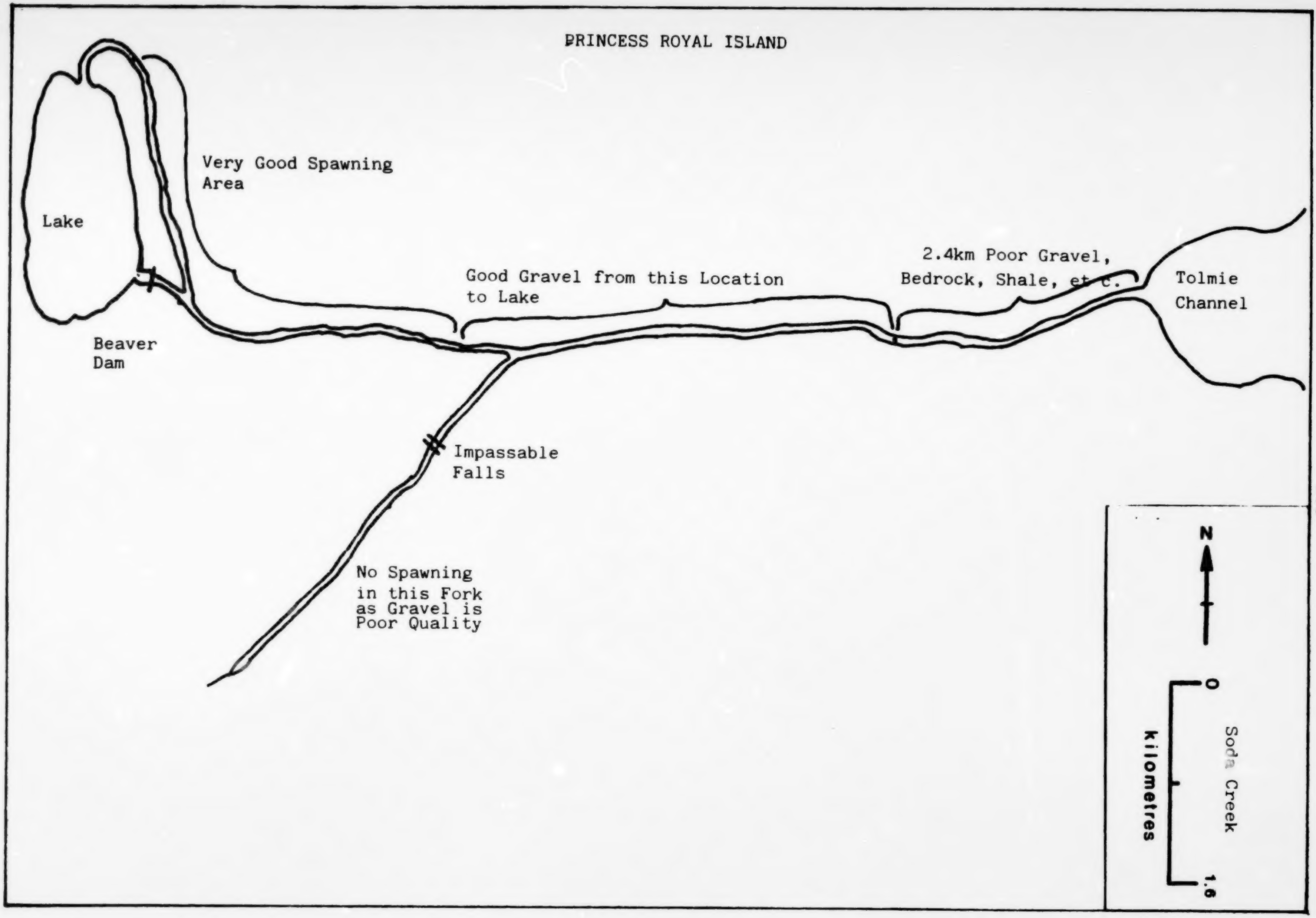
-1976. Left fork ends in a beaver pond, while right fork ends at a falls, 0.4 km from bifurcation

- Good potential

- Heavily fished near mouth and vulnerable to poaching

GENERAL REMARKS (cont'd) Soda Creek

- Clear water, good spawning habitat except lower 0.8 km, fast flow
- Subject to seasonal fluctuations in water levels and numerous windfalls
- Some predation by bears, waterfowl, wolves and eagles

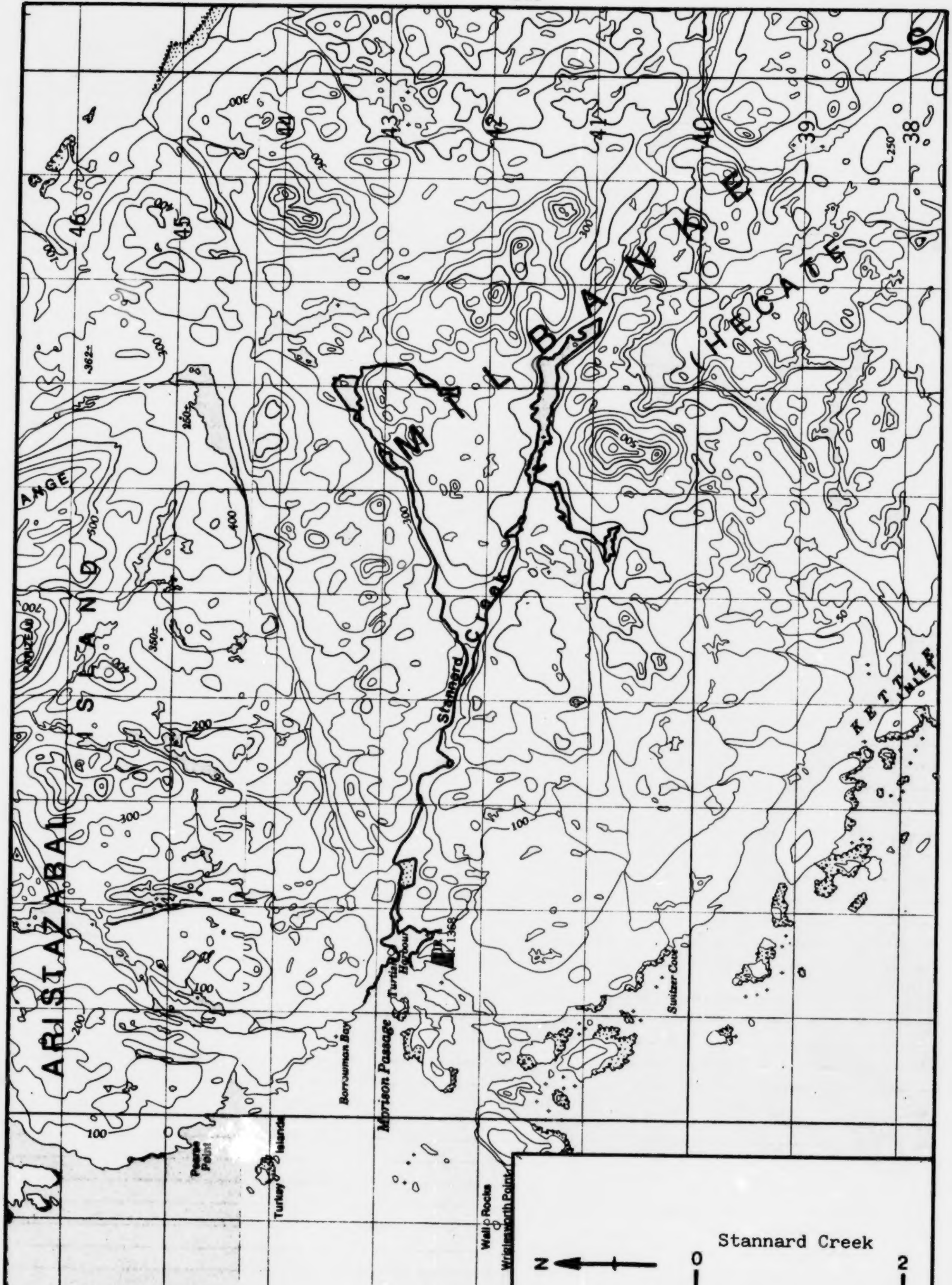

PRINCESS ROYAL ISLAND
Very Good Spawning Area
Lake
Beaver Dam
Good Gravel from this Location to Lake
2.4km Poor Gravel, Bedrock, Shale, etc.
Tolmie Channel
Impassable Falls
No Spawning in this Fork as Gravel is Poor Quality
N
Soda Creek
0
1.6
kilometres

ESCAPEMENT RECORD FOR (Soda Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			400	7500	3500	
48			750		1500	
49			200	7500	7500	
50			25	1500	1500	
51			700	4500	4800	
52					3500	
53			25	1500	3500	
54			200	1500	400	
55			75	1500	1500	
56			75	400	3500	
57			400	1500	400	
58			N/O	1500	3500	
59			25	75	3500	
60			25	7500	15000	
61			25	1500	15000	
62		25	25	750	75000	
63		75	200	3500	75000	
64		N/O	25	7500	15000	
65			NOT INSPECTED			
66			300	2000	15000	
67			75	3500	750	
68			200	3500	35000	
69			700	25	2000	
70			400	400	7500	
71			750	750	12000	
72			400	1500	7000	
73			50	1000	9000	
74			N/O	1500	2000	
75				40	600	
76	100			30	12000	
77			20	122	2600	
78			25	300	5000	
79			75	125	25000	
80			50	350	10000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			M. SEPT	E. SEPT	E. SEPT	
START			L. SEPT	E. SEPT	M. SEPT	
PEAK			OCT	M. SEPT	M. SEPT	
END			NOV	L. SEPT	L. SEPT	

REMARKS


Stannard Creek
0
2
kilometres
N
ARISTAZABAL ISLAND
PLATEAU
Stannard Creek
HECATE
S
KETTLE INLET
BEAUCHEMIN CHANNEL
Borrowman Bay
Morison Passage
Turtle Harbour
Turkey Islands
Pearse Point
Wall Rocks
Wriglesworth Point
Switzer Cove
1368
38
39
40
41
42
43
44
45
46
100
200
300
400
500
700
250
50
362±
350±
250±

NAME OF STREAM STANNARD CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH At head of Borrowman Bay, W. side of Aristazabal Is., Rge. 3, Coast Dist. POSITION 52° 129° NE

LENGTH 10.5 km WIDTH ____ m DRAINAGE ____ km²

COMPOSITION: BEDROCK ____ BOULDER ____ COARSE ____ FINE ____

SILT & SAND ____ UNCLASSIFIED ____

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ____ m² SPAWNING AREA ____ m²

DISCHARGE (m^3/s) ____

TEMPERATURE (°C) ____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Rock falls at 1.2 km, impassable to all species except sockeye

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- in lake
CHINOOK	
COHO	- throughout
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS

-1947. Log jam removed

-1959. Closure requires extension to protect the early sockeye run

-1961, 1962. Surveyed and removed log jams

-1969. Chums observed entering stream in late September

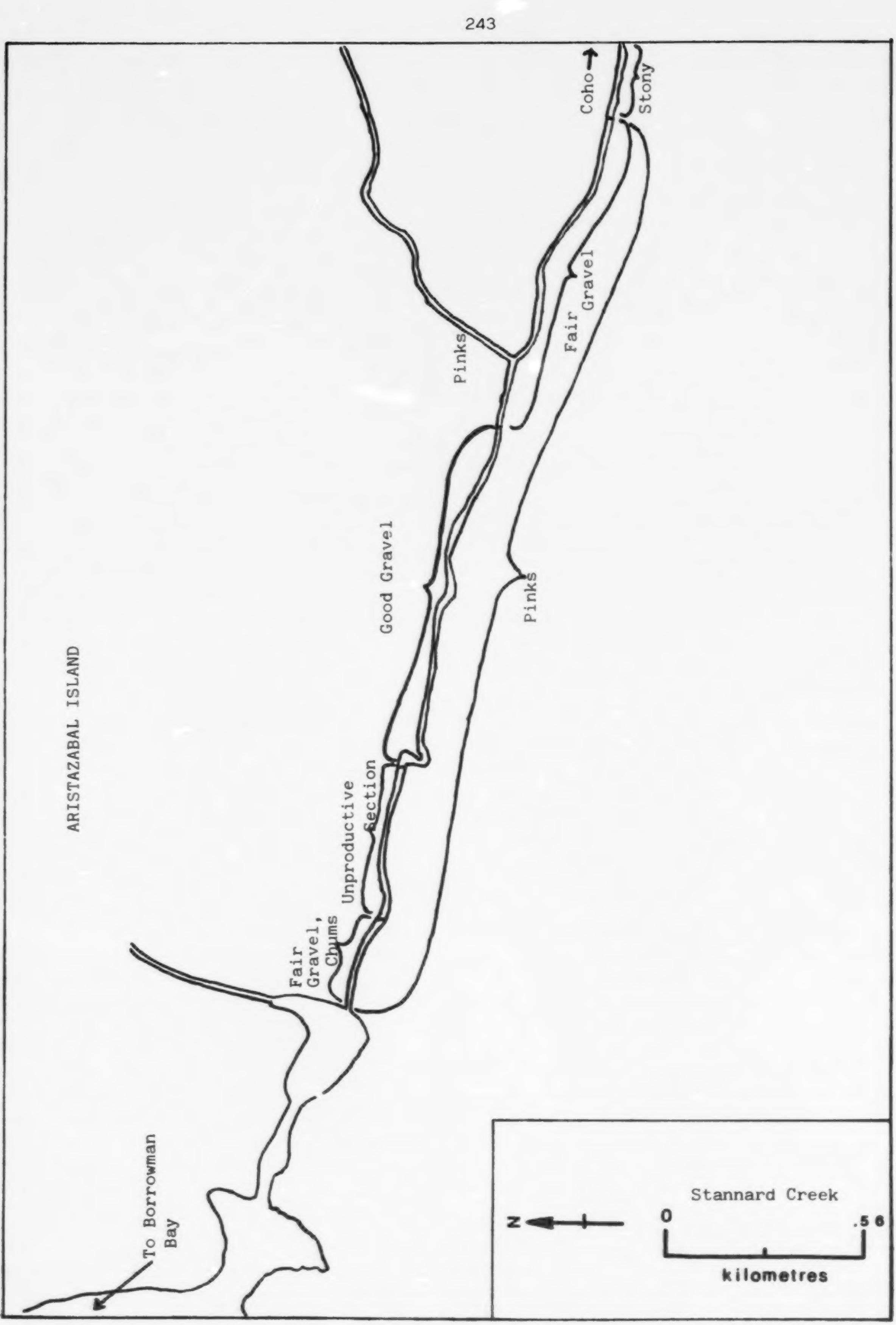
-1970. Last recorded sockeye spawning was in 1964

-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system

-1975. Chums seen digging up previously deposited eggs

-1979. Decided to report stream officially as Stannard Creek

- Rough creek bed, good spawning in upper reaches
- Subject to seasonal fluctuations in water levels
- Some predation by birds, wolves and otters


ARISTAZABAL ISLAND
To Borrowman Bay
Fair Gravel, Chums
Unproductive Section
Good Gravel
Pinks
Pinks
Fair Gravel
Coho
Stony
Stannard Creek
N
0
.56
kilometres

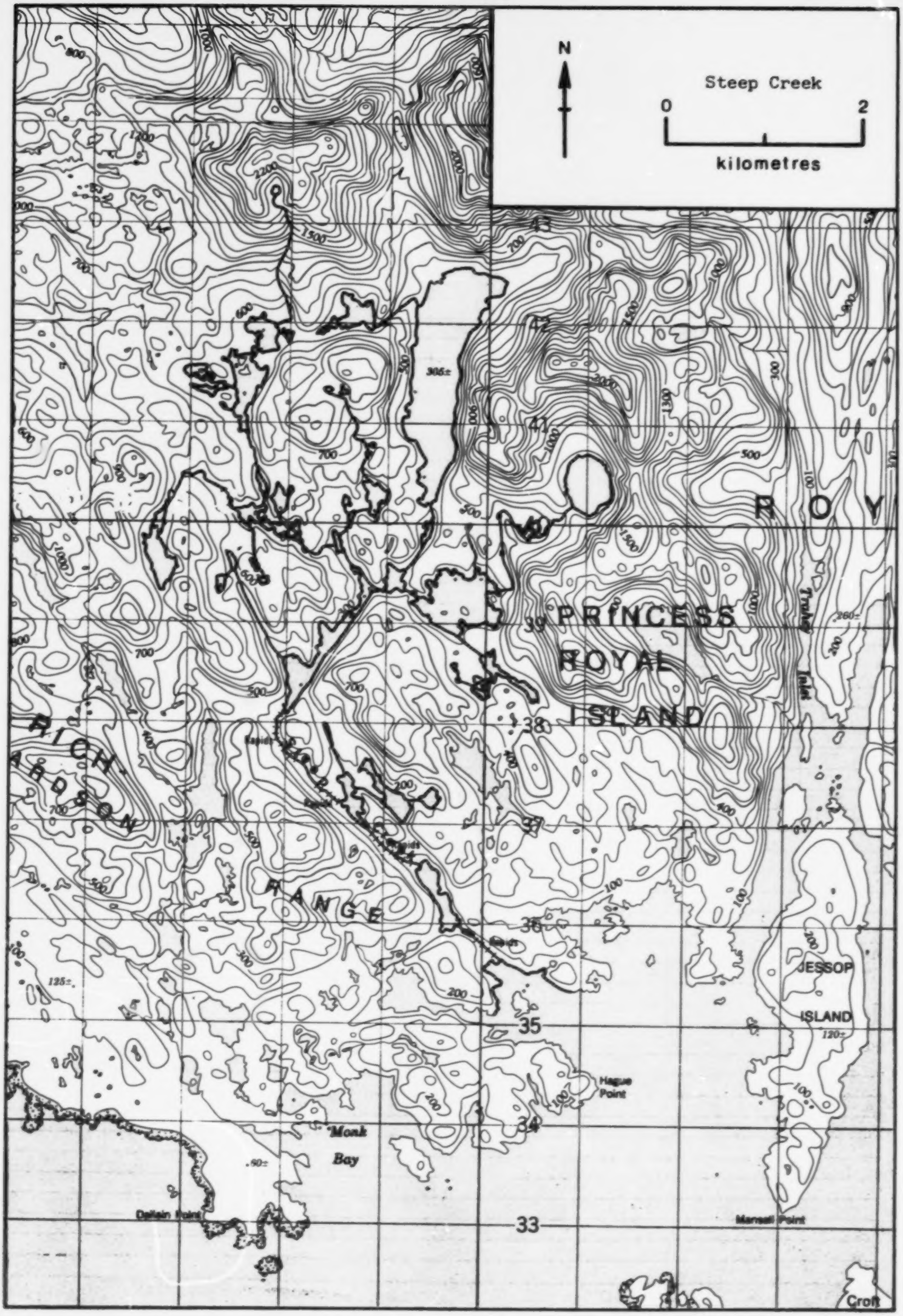
ESCAPEMENT RECORD FOR STANNARD CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	1500		1500	7500	750	
48			7500	7500	7500	
49	1500		3500	7500	1500	
50	750		1500	1500	750	
51	1000		4500	1000	800	
52			NO RECORD			
53	3500		1500	750	200	
54	3500		3500	400	3500	
55	1500		1500	3500	400	
56	1500		7500	3500	3500	
57	3500		3500	200	1500	
58	750		1500	3500	1500	
59	75		1500	1500	400	
60	1500		750	1500	3500	
61	750		750	400	1500	
62	750		750	400	3500	
63	200		750	1500	1500	
64	750		750	1500	200	
65	UNK		1500	1500	750	
66	200		300	1200	2000	
67	N/O		N/O	1500	N/O	
68	N/O		25	750	25	
69	N/O		N/O	800	N/O	
70			75	750	N/O	
71			200	200	N/O	
72			200	200	25	
73			100	500		
74			200	150	150	
75			175	1100		
76			100	850	700	
77			50	1300		
78			N/O	2500	200	
79			75	100	1000	
80			N/O	200	2000	
81						
82						
83						
84						
85						

TIMING:

ARRIVE						
START						
PEAK						
END						

REMARKS


N
Steep Creek
0
2
kilometres
43
42
41
40
39
38
37
36
35
34
33
ROY
PRINCESS
ROYAL
ISLAND
RICHARDSON
RANGE
JESSOP
ISLAND
Trahey Inlet
Monk
Bay
Hague
Point
Dallain Point
Mansell Point
Croft
Rapids
305±
360±
125±
120±
60±

NAME OF STREAM (Steep Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SE. into Laredo Inlet. Rge. 3. Coast Dist.

POSITION 52°40'N 128°50'W

LENGTH 4.0 km WIDTH ______ m DRAINAGE ______ km²

COMPOSITION: BEDROCK ______ BOULDER ______ COARSE ______ FINE ______

SILT & SAND ______ UNCLASSIFIED ______

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA ______ m² SPAWNING AREA ______ m²

DISCHARGE (m³/s) ______

TEMPERATURE (°C) ______

BARRIERS OR POINTS OF DIFFICULT ASCENT ______

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- lower reaches primarily
PINK (ODD YEAR)	- lower reaches primarily
PINK (EVEN YEAR)	- lower reaches primarily
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS

-1957. Drought caused chums to spawn in salt water at stream mouth

-1965. Drought delayed upstream migration

-1966. Discoloured water hampered inspection

-1974, 1978, 1980. Possible scouring and erosion to the system from winter floods

- Small, rough, rocky, steep creek, with poor spawning grounds and limited gravel
- Subject to seasonal fluctuations in water levels
- Slight predation by birds and bears

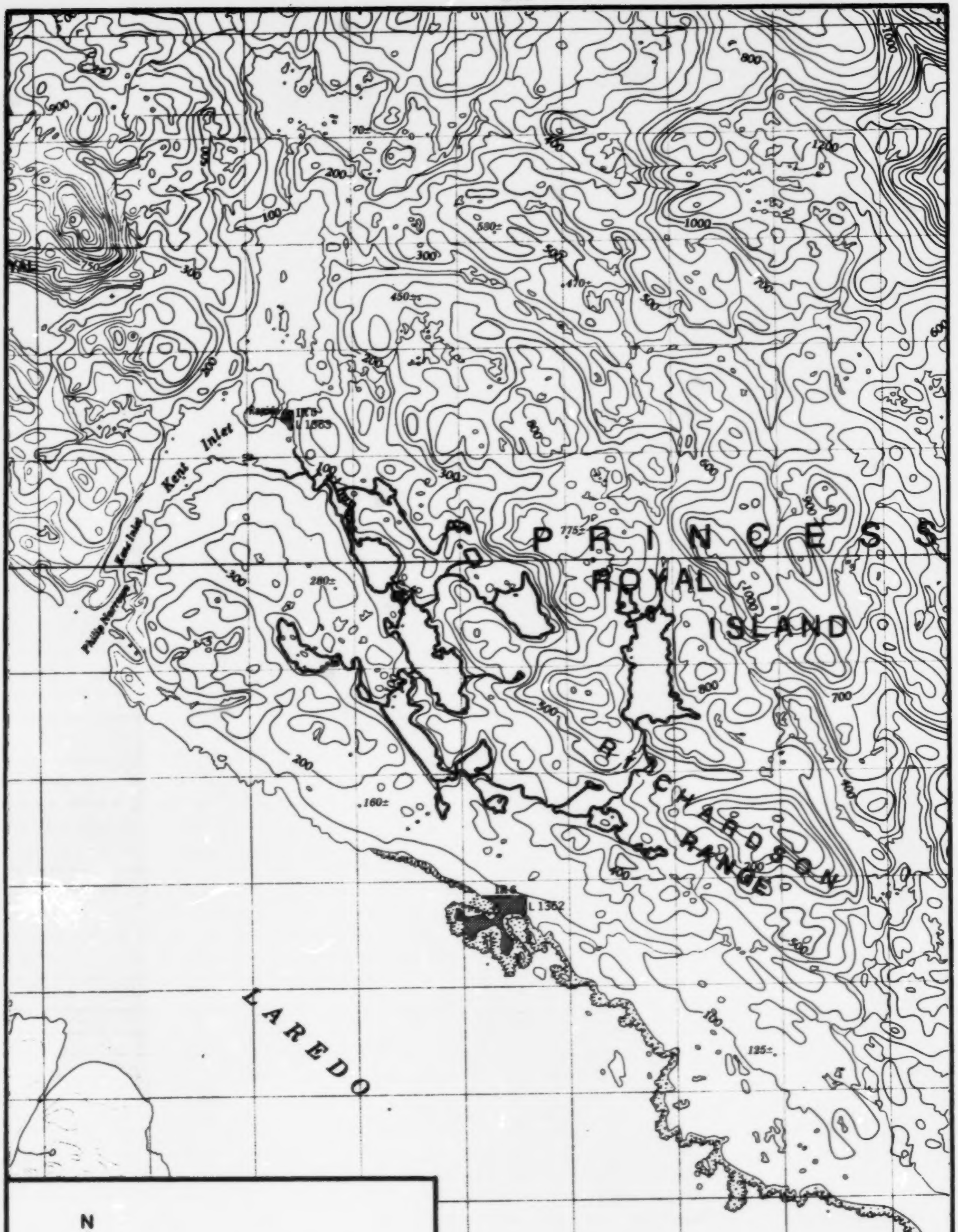
ESCAPEMENT RECORD FOR (Steep Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49			NO RECORD BETWEEN 1947-1951			
50						
51			600	50	50	
52						
53			200	25	200	
54						
55			25	25	75	
56			25	25	75	
57				400		
58			NOT	INSPECTED		
59			25	25	25	
60			N/0	N/0	N/0	
61			25	N/0	N/0	
62			75	N/0	N/0	
63			25	25	N/0	
64			25	400	N/0	
65			750	750	1500	
66			UNK	UNK	UNK	
67			25	750	N/0	
68			75	N/0	N/0	
69			50	N/0	N/0	
70			200	N/0	N/0	
71			25	N/0	N/0	
72			400	N/0	N/0	
73			100	N/0	N/0	
74			200	N/0	100	
75			3500	200	400	
76			2200		1300	
77			1800		800	
78			1500		100	
79			1500		N/0	
80			1000	N/0	N/0	
81						
82						
83						
84						
85						

TIMING

ARRIVE			SEPT		E. SEPT	
START			SEPT		E. SEPT	
PEAK			SEPT		M. SEPT	
END			OCT		L. SEPT	

REMARKS


PRINCESS
ROYAL
ISLAND
RICHARDSON RANGE
LAREDO CHANNEL
Kent Inlet
Philip Narrows
IR 5
L 1363
IR 6
L 1362
Dallain Point
900
500
200
100
70±
300
750
800
1000
1200
580±
500
470±
450±
700
600
775±
280±
1000
800
700
500
400
200
160±
100
125±
N
Talamoosa Creek
0
2
kilometres

NAME OF STREAM (Talamoosa Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Kent Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 8.0 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout
CHUM	- chiefly between lakes, but scattered throughout
PINK (ODD YEAR)	- in lower reaches and between lakes
PINK (EVEN YEAR)	- in lower reaches and between lakes
STEELHEAD	

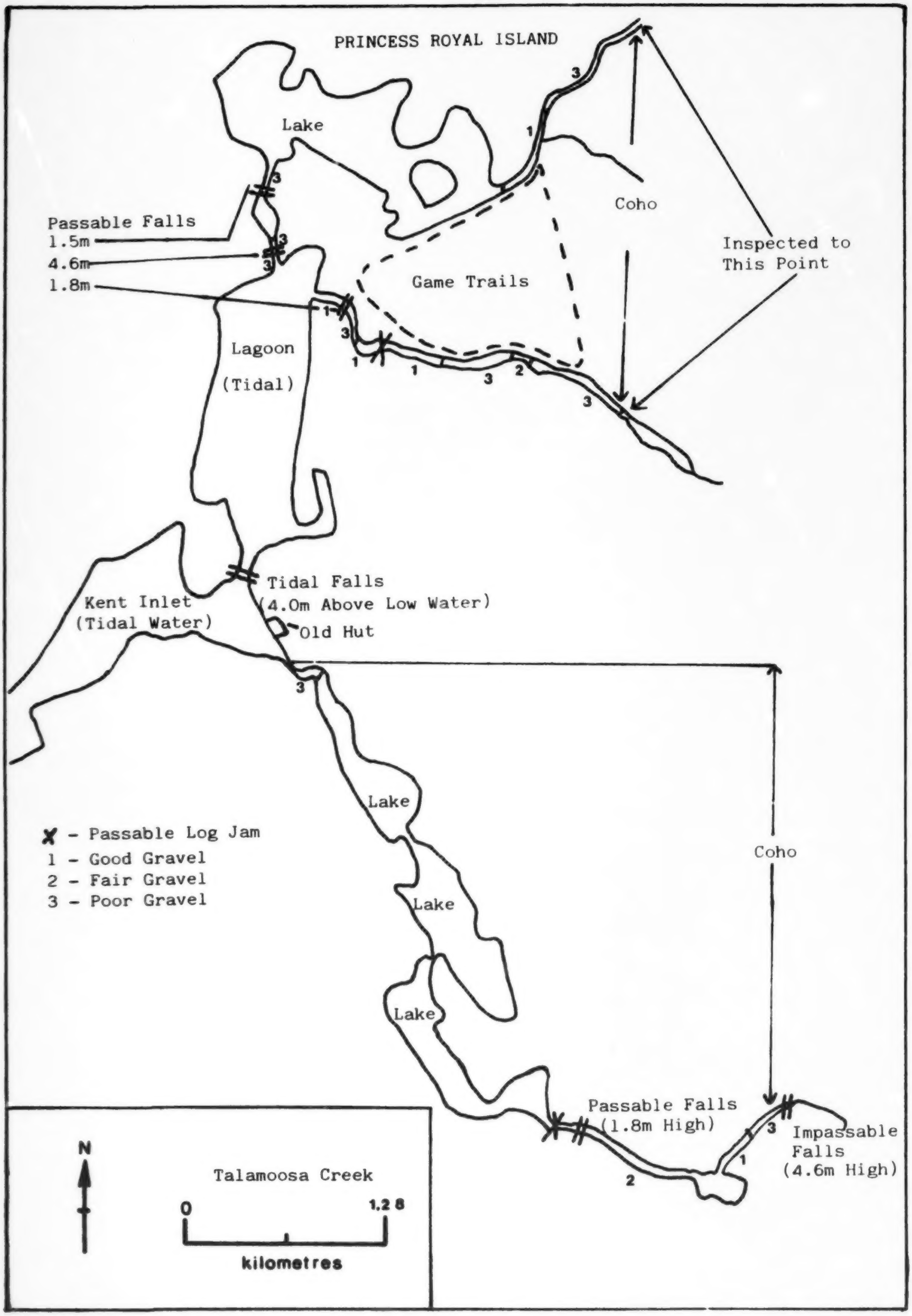
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

- 1949-1959. Drag seine operated at mouth of stream
- 1951-1956. Large boulders 3.2 km upstream, impede migration between 2nd and 3rd lakes under some water conditions
- 1956. Rock obstruction described in 1951, was removed
- 1961. Large boulders in the stream hinder migration during low water only
- 1965. Negligible drag seine catches
- 1968. Sockeye and pinks schooled at stream mouth during low water, but did not ascend the stream when flows improved
- 1974, 1978, 1979. Discoloured water impaired observation of spawners
- 1974, 1978, 1980. Possible scouring and erosion caused by winter floods
- Considered a good coho rearing area

GENERAL REMARKS (cont'd) Talamoosa Creek

- Subject to seasonal fluctuations in water levels
- Some predation by bears, wolves, waterfowl, and eagles

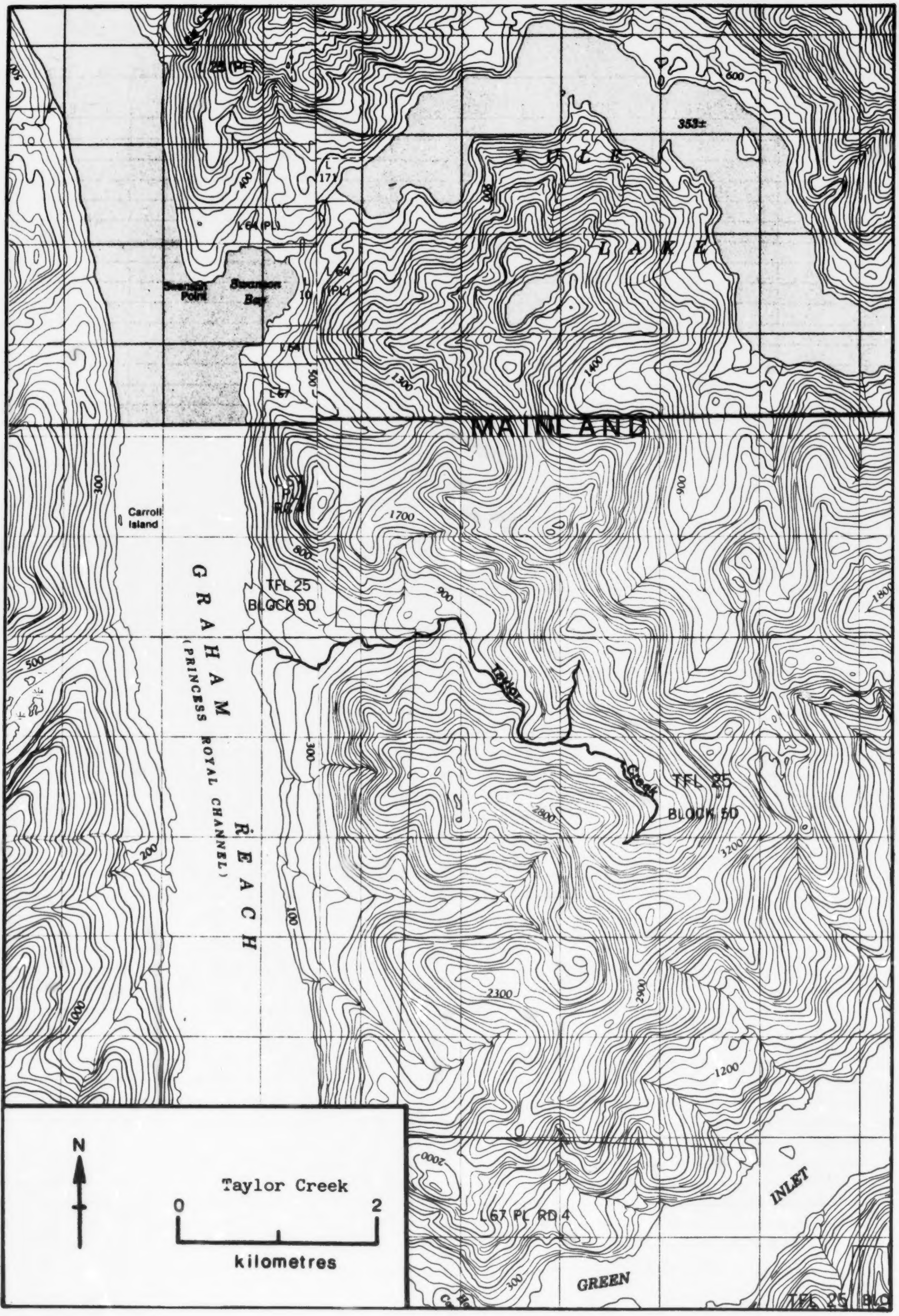

PRINCESS ROYAL ISLAND
Lake
Passable Falls
1.5m
4.6m
1.8m
Game Trails
Coho
Inspected to This Point
Lagoon
(Tidal)
Tidal Falls
(4.0m Above Low Water)
Kent Inlet
(Tidal Water)
Old Hut
Lake
Lake
Lake
Coho
Passable Falls
(1.8m High)
Impassable Falls
(4.6m High)
1
2
3
✗ - Passable Log Jam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
N
Talamoosa Creek
0
1.28
kilometres

ESCAPEMENT RECORD FOR (Talamoosa Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	7500		7500	400	200	
48	-		3500		75	
49	7500		1500	25	25	
50	3500		1500	25	25	
51	2500		3000	300	450	
52					750	
53	3500		1500	200	200	
54	750		1500	200	75	
55	3500		1500	75	75	
56	1500		750	750	3500	
57	1500		750	400	25	
58	400		750	200	200	
59	400		750	75	200	
60	200		400	1500	25	
61	400		750	400	200	
62	400		750	25	25	
63	400		400	25	400	
64	200		400	750	75	
65			NOT	INSPECTED		
66	UNK		UNK	UNK	UNK	
67	N/0		75	25	N/0	
68	N/0		N/0	N/0	N/0	
69			400	N/0	N/0	
70			750	N/0	N/0	
71			750	N/0	N/0	
72			400	N/0	N/0	
73	25		25	N/0	25	
74	400		50	N/0	50	
75	N/0		200	N/0	N/0	
76					100	
77	30		75			
78	150		N/0		100	
79	N/0		1000		N/0	
80	50		250		700	
81						
82						
83						
84						
85						

TIMING						
ARRIVE	JULY		SEPT		L. AUG	
START	E. SEPT		SEPT		E. SEPT	
PEAK	L. SEPT		OCT		M. SEPT	
END	OCT		OCT		L. SEPT	

REMARKS


L 25 (PL)
400
L 171
L 64 (PL)
Swanson Point
Swanson Bay
L 10
64 (PL)
L 64
L 67
500
YULE
LAKE
353±
600
1300
1400
MAINLAND
300
Carroll Island
1700
800
900
TFL 25 BLOCK 5D
GRAHAM REACH
(PRINCESS ROYAL CHANNEL)
Taylor Creek
TFL 25 BLOCK 5D
1800
500
300
2800
3200
200
100
2300
2900
1000
1200
2000
INLET
L 67 PL RD 4
GREEN
300
TFL 25 BLO
N
Taylor Creek
0
2
kilometres

NAME OF STREAM (Taylor Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Graham Reach, Princess Royal Chan., Rge. 4, Coast Dist. POSITION 52° 128° NW

LENGTH 0.03 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 275 m

SPAWNING DISTRIBUTION

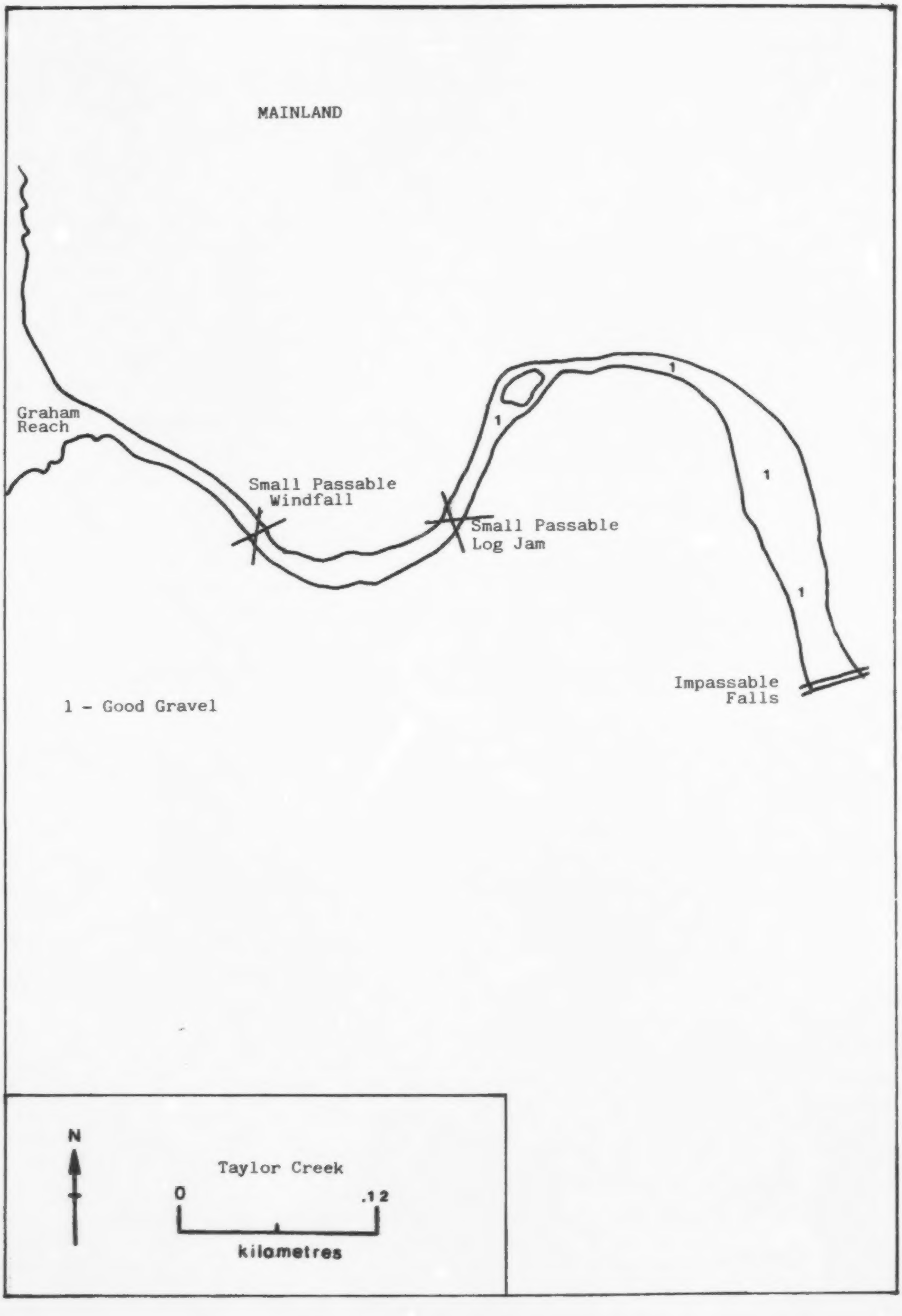
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls if present
CHUM	- to falls if present
PINK (ODD YEAR)	- to falls if present
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Poor spawning habitat above falls

GENERAL REMARKS

-1957. Poor spawning gravel noted
-1966. Upstream migration delayed until early September. Almost no spawning gravel
-1968. No spawners observed
-1969. Less than 100 m of spawning area
-1973. Minor producer with no potential
-1974, 1978, 1980. Possible scouring and erosion caused by winter flooding
- Historical good spawning area below falls
- Subject to seasonal fluctuations in water levels
- Some predation by bears and birds

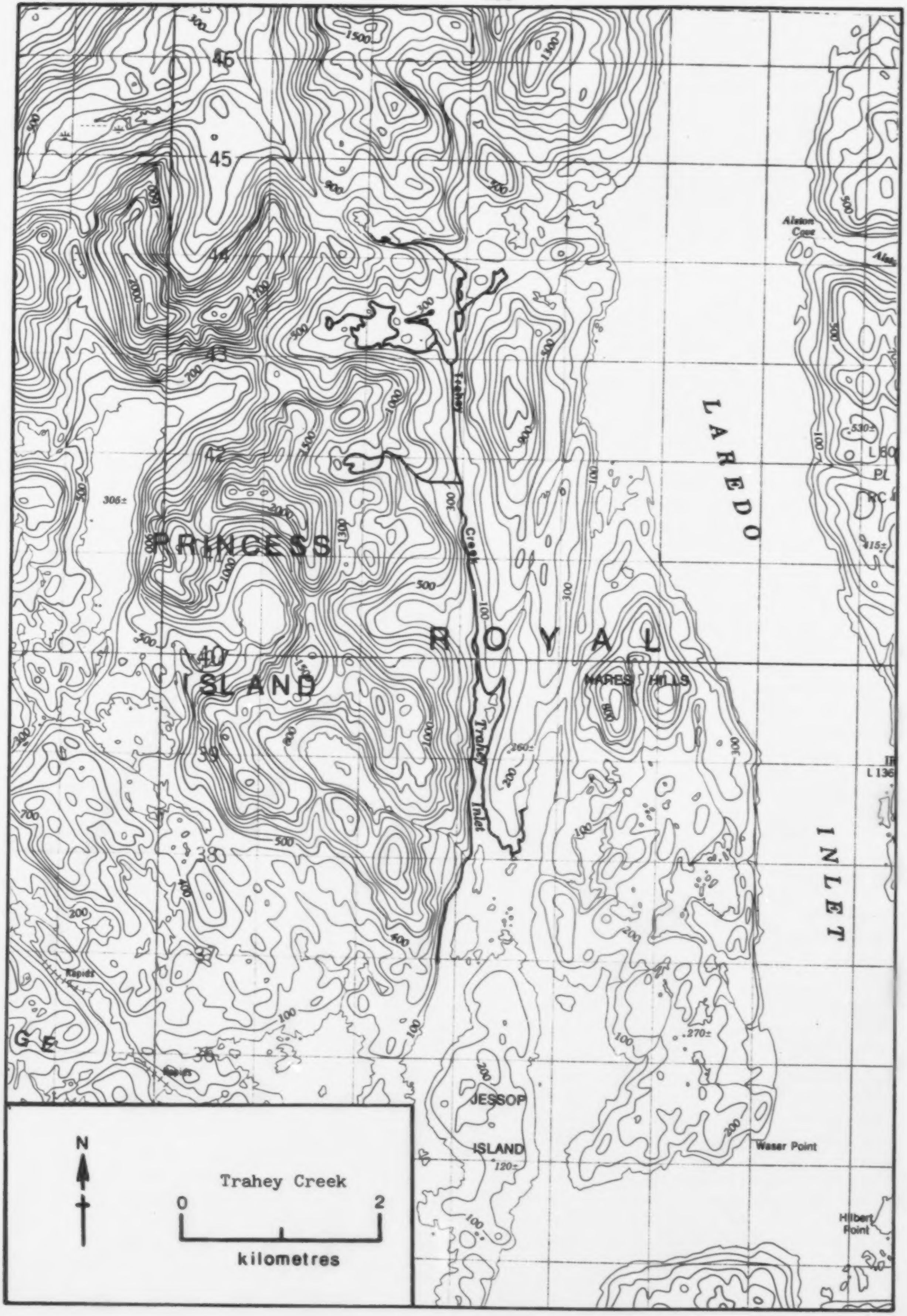

MAINLAND
Graham Reach
Small Passable Windfall
Small Passable Log Jam
1
1
1
1
Impassable Falls
1 - Good Gravel
N
Taylor Creek
0
.12
kilometres

ESCAPEMENT RECORD FOR (Taylor Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			25	750	75	
48			N/O		750	
49			N/O	75	400	
50			N/O	75	200	
51			N/O	350	450	
52					750	
53				200	200	
54				25	75	
55				25	75	
56				75	400	
57				400	25	
58				25	75	
59			25	75	75	
60				200	75	
61				25	75	
62			25	N/O	750	
63			NOT	INSPECTED		
64			N/O	200	400	
65			NOT	INSPECTED		
66				100	300	
67				400	75	
68			N/O	N/O	N/O	
69			N/O	N/O	N/O	
70			N/O	N/O	N/O	
71			N/O	N/O	N/O	
72			N/O	N/O	25	
73			N/O	N/O	N/O	
74				20	50	
75			N/O	N/O	N/O	
76			N/O	N/O	N/O	
77			N/O	N/O	N/O	
78					25	
79				N/O	10	
80					28	
81						
82						
83						
84						
85						

TIMING						
ARRIVE					E. SEPT	
START					E. SEPT	
PEAK					M. SEPT	
END					L. SEPT	

REMARKS


PRINCESS
ROYAL
ISLAND
LAREDO
INLET
Trahey Creek
Trahey Inlet
HARES HILLS
JESSOP
ISLAND
Alston Cove
Waser Point
Hilbert Point
Rapids
GE
46
45
44
43
42
40
39
38
37
36
1500
1300
2000
1000
900
800
700
500
400
300
200
100
306±
260±
270±
120±
530±
415±
N
Trahey Creek
0
2
kilometres

NAME OF STREAM (Trahey Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Trahey Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- lower reaches and throughout
CHUM	- lower reaches
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957, 1958. Cleared windfall debris located 1.6 km upstream

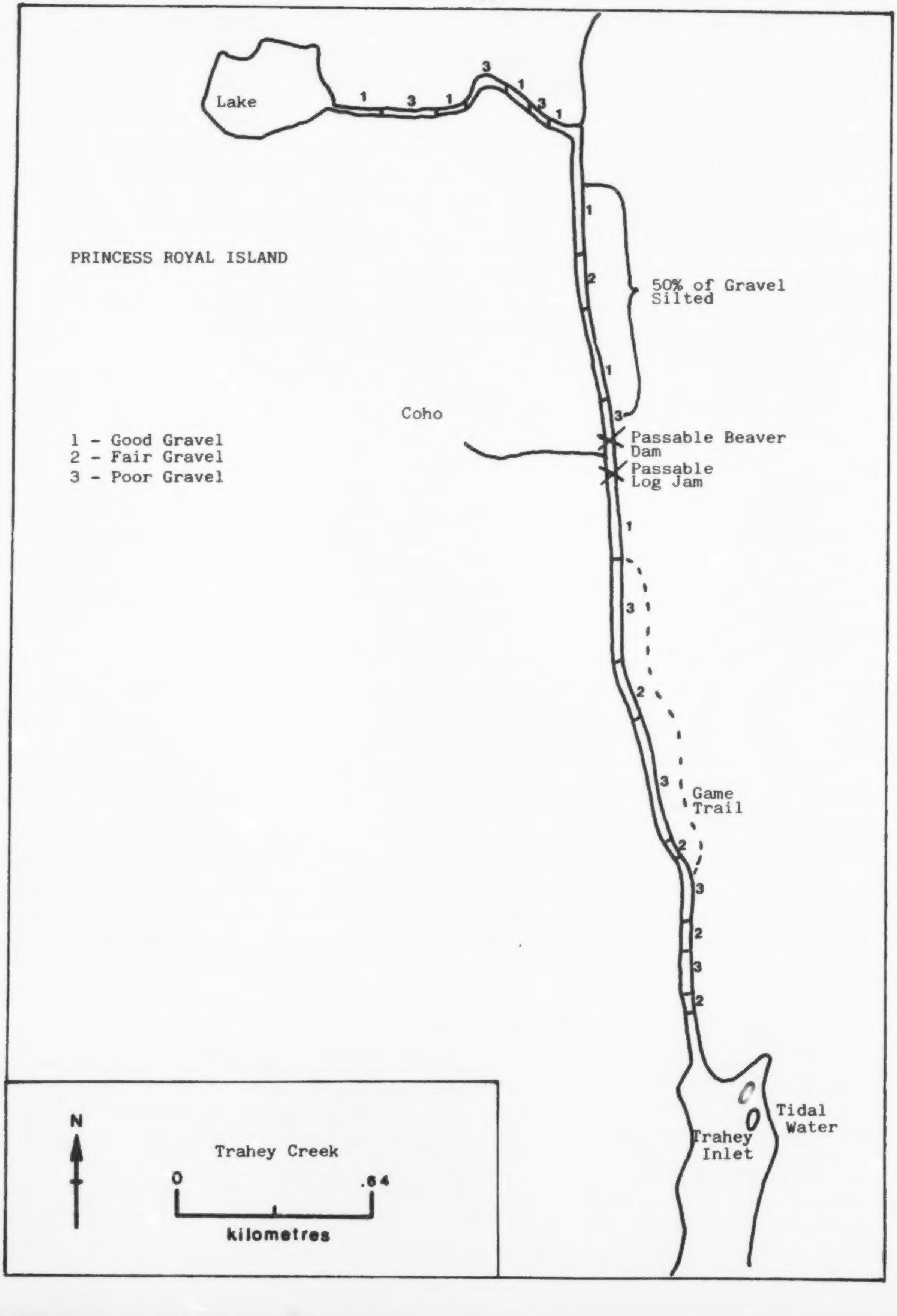
-1965. Low flows delayed upstream migration

-1966. No spawners observed

-1971. Some minor silting in upper reaches

-1974, 1978, 1980. Some scouring and erosion may have resulted from winter flooding

- Good spawning substrate of rock, gravel, and some sand
- Subject to seasonal fluctuations in water levels
- Some predation by wolves, bears, and birds

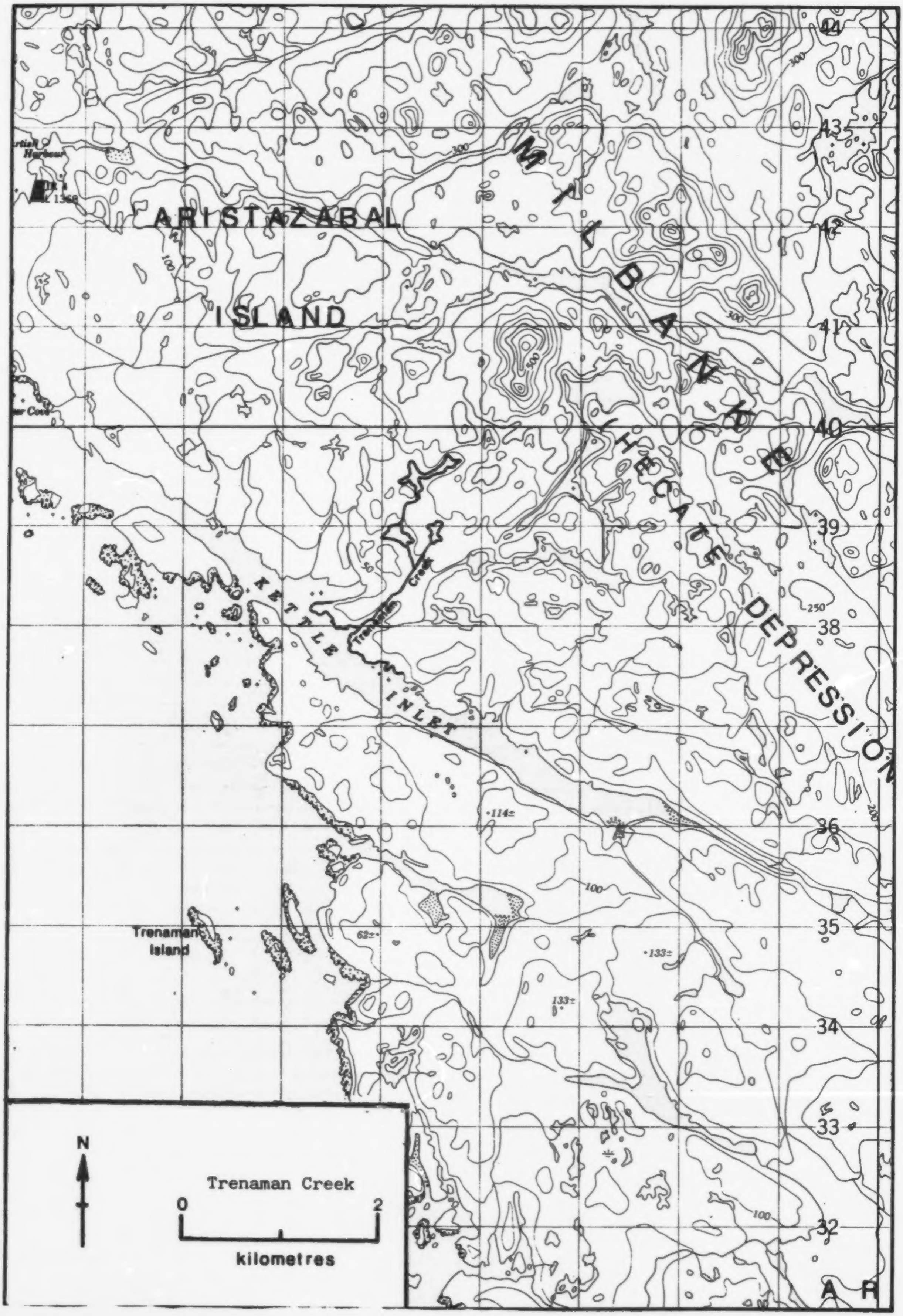

Lake
1
3
1
3
1
3
1
PRINCESS ROYAL ISLAND
1
2
50% of Gravel Silted
1
3
Coho
Passable Beaver Dam
Passable Log Jam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
1
3
2
3
Game Trail
2
3
2
3
2
Tidal Water
Trahey Inlet
N
Trahey Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR (Trahey Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	3500	750	
48			200		1500	
49			1500	200	3500	
50			25	400	750	
51			400	1800	1500	
52					750	
53			200	200	400	
54			200	750	1500	
55			75	25	1500	
56			200	200	1500	
57			N/O	750	400	
58			25	200	200	
59			N/O	25	N/O	
60				750	75	
61			N/O	25	75	
62			25	200	400	
63			N/O	25	400	
64			NOT	INSPECTED		
65			75	25	750	
66			UNK	UNK	UNK	
67			N/O	N/O	N/O	
68			750	N/O	7500	
69			300	N/O	N/O	
70			200	75	750	
71			400	N/O	200	
72			200	75	400	
73			N/O	75	50	
74			N/O	25	200	
75			N/O	3000	2500	
76			100	N/O	2000	
77				80	450	
78			N/O	150	2000	
79			N/O	200	200	
80			9	5	800	
81						
82						
83						
84						
85						

TIMING						
ARRIVE			E. SEPT	E. SEPT	L. AUG	
START			L. SEPT	E. SEPT	E. SEPT	
PEAK			M. OCT	M. SEPT	M. SEPT	
END			NOV	E. OCT	E. OCT	

REMARKS


Harbour
1368
ARISTAZABAL
ISLAND
MILBANKE
HECATE
DEPRESSION
KETTLE INLET
Trenaman Creek
Trenaman Island
300
100
500
250
200
50
114±
62±
133±
133±
100
44
43
42
41
40
39
38
36
35
34
33
32
A R
N
Trenaman Creek
0
2
kilometres

NAME OF STREAM (Treneman Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows SW. into Kettle Inlet, Rge. 3, Coast Dist.

POSITION 52° 129° NE

LENGTH 4 .8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

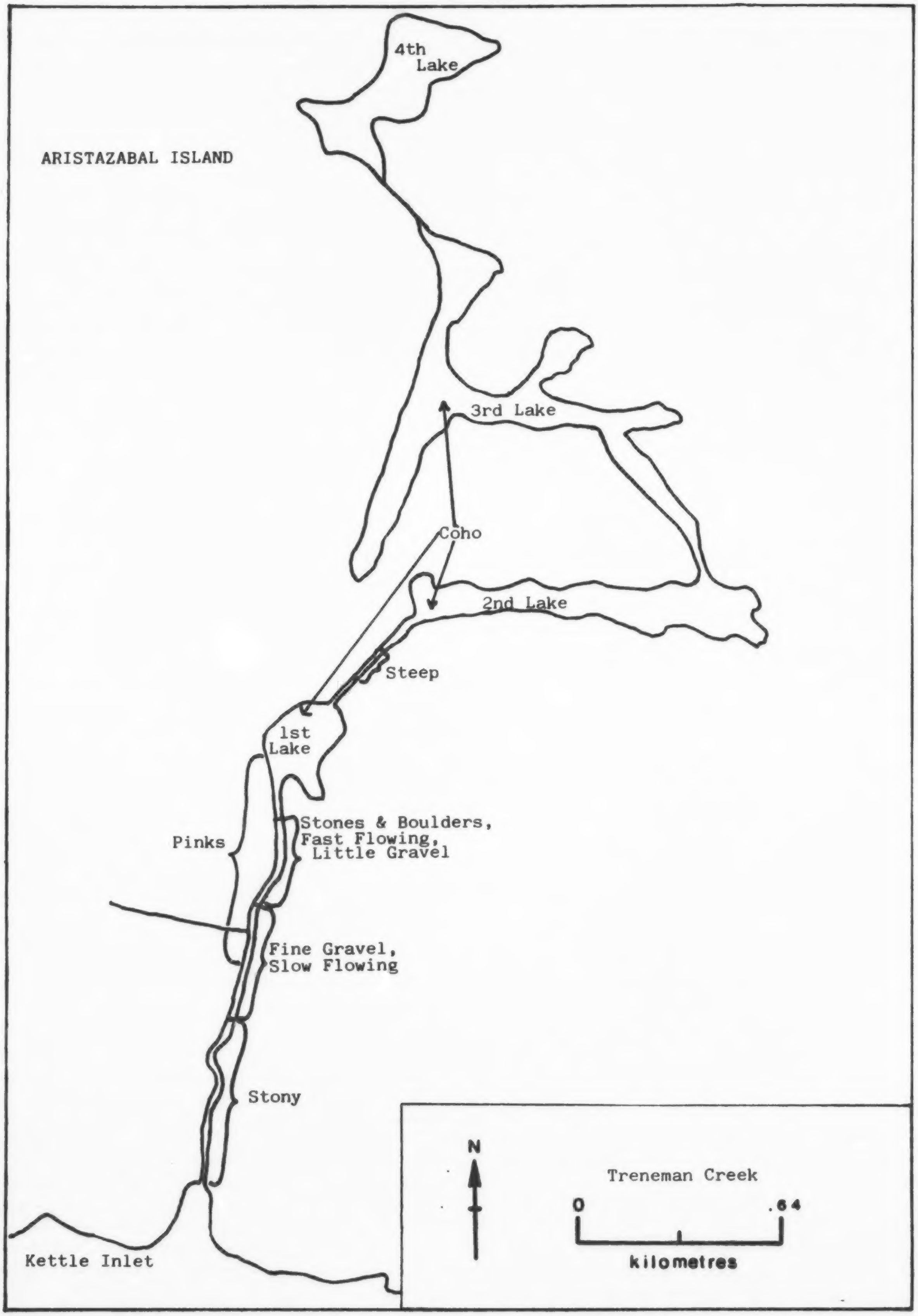
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to lake and above
CHUM	- lower reaches below steep section
PINK (ODD YEAR)	- lower reaches below steep section
PINK (EVEN YEAR)	- lower reaches below steep section
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

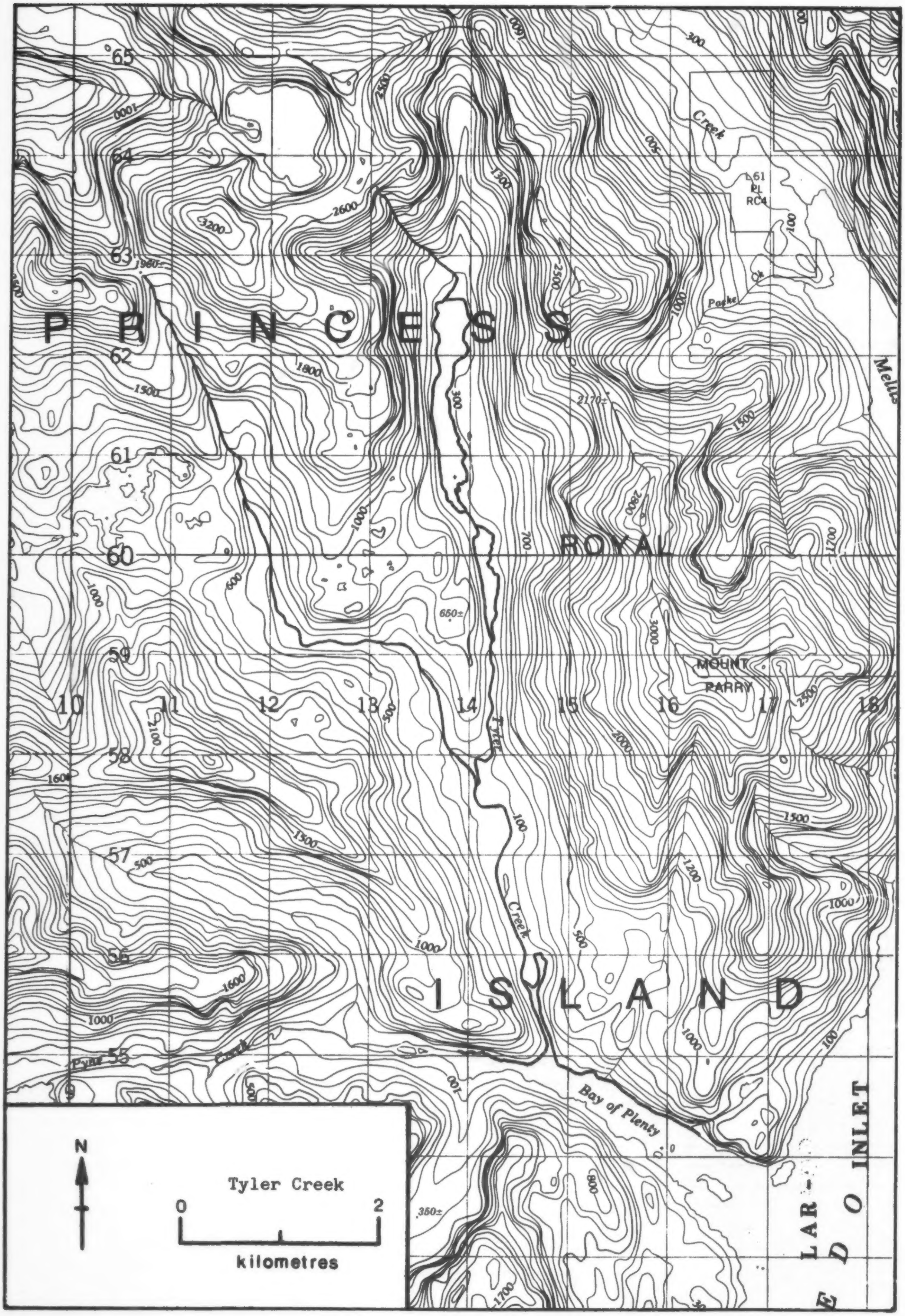
-1958. Pinks and chums spawned in tidal water and coho near stream mouth as warm water and low flows hampered migration
-1959. Low flows caused tidal spawning
-1965. Low water made creek impassable until early October
-1966, 1967. Discoloured water hampered inspection of the stream
-1974. Possible logging of lower reaches in 1975
-1974, 1978, 1980. Winter flooding may have caused some scouring and erosion to system
-1977. Sockeye observed between 1st and 2nd lake
- Productive coho stream, but not significantly utilized by other species
- Coarse gravel substrate
- Subject to fluctuations in water levels
- Light predation by wolves, wildfowl and otters


ARISTAZABAL ISLAND
4th Lake
3rd Lake
Coho
2nd Lake
Steep
1st Lake
Pinks
Stones & Boulders, Fast Flowing, Little Gravel
Fine Gravel, Slow Flowing
Stony
Kettle Inlet
N
Treneman Creek
0
.64
kilometres

ESCAPEMENT RECORD FOR (Treneman Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48			NO RECORD BETWEEN 1947-1950			
49						
50			25	750	75	
51			350	750	900	
52					400	
53			75	25	400	
54			400	1500	400	
55			750	75	200	
56			750	75	1500	
57			25	400	75	
58			75	200	25	
59			200	25	25	
60			25	75	N/O	
61			NOT INSPECTED			
62			NOT INSPECTED			
63			25	25	N/O	
64			200	75	N/O	
65			NOT INSPECTED			
66			1500	N/O	800	
67			750	N/O	N/O	
68			1500	2	750	
69			600	N/O	N/O	
70			750	25	25	
71			1500	25	25	
72			2000	N/O	250	
73			250	N/O	N/O	
74			300	N/O	250	
75			600	N/O	N/O	
76			50	50	650	
77	20		20	65	N/O	
78			400	N/O	N/O	
79			20	20	N/O	
80			N/O	25	N/O	
81						
82						
83						
84						
85						
TIMING						
ARRIVE			E. SEPT	M. SEPT	E. SEPT	
START			M. SEPT	M. SEPT	M. SEPT	
PEAK			OCT	L. SEPT	L. SEPT	
END			L. OCT	E. OCT	E. OCT	

REMARKS


PRINCESS
ROYAL
ISLAND
MOUNT PARRY
Tyler Creek
Bay of Plenty
Creek
Paske Ck
Melita
Pyne Creek
LAREDO INLET
L61
PL
RC4
65
64
63
62
61
60
59
58
57
56
55
10
11
12
13
14
15
16
17
18
3200
2600
2500
2170±
2800
3000
2000
1960±
1800
1500
1300
1200
1000
700
650±
600
500
350±
300
100
N
Tyler Creek
0
2
kilometres

NAME OF STREAM TYLER CREEK

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Bay of Plenty, Laredo Inlet, Rge. 3, Coast Dist.

POSITION 52° 128° NW

LENGTH 6.4 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls on left fork 3.6 km from mouth

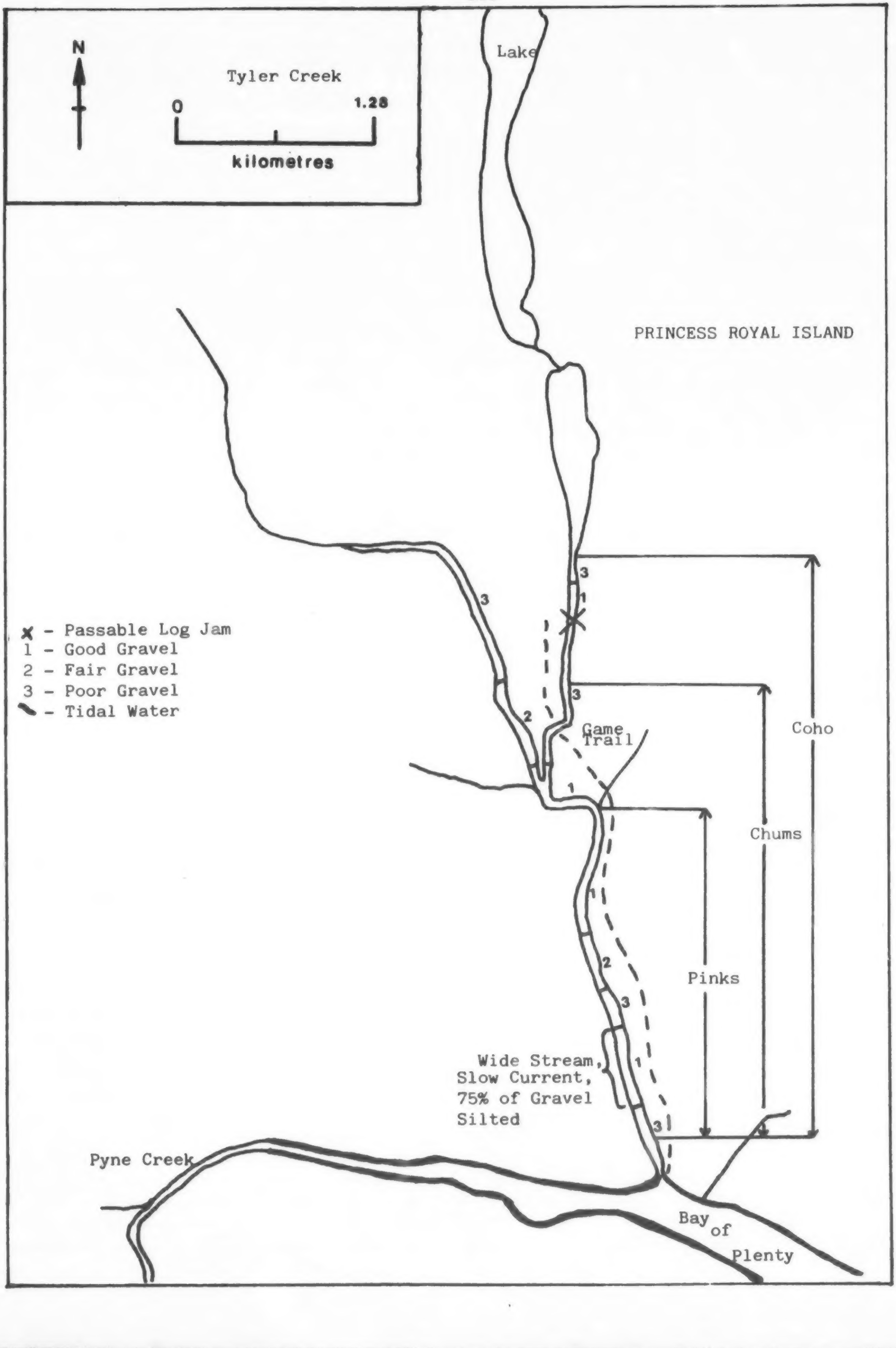
SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- throughout available spawning area
CHUM	- throughout available spawning area
PINK (ODD YEAR)	- throughout available spawning area
PINK (EVEN YEAR)	- throughout available spawning area
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

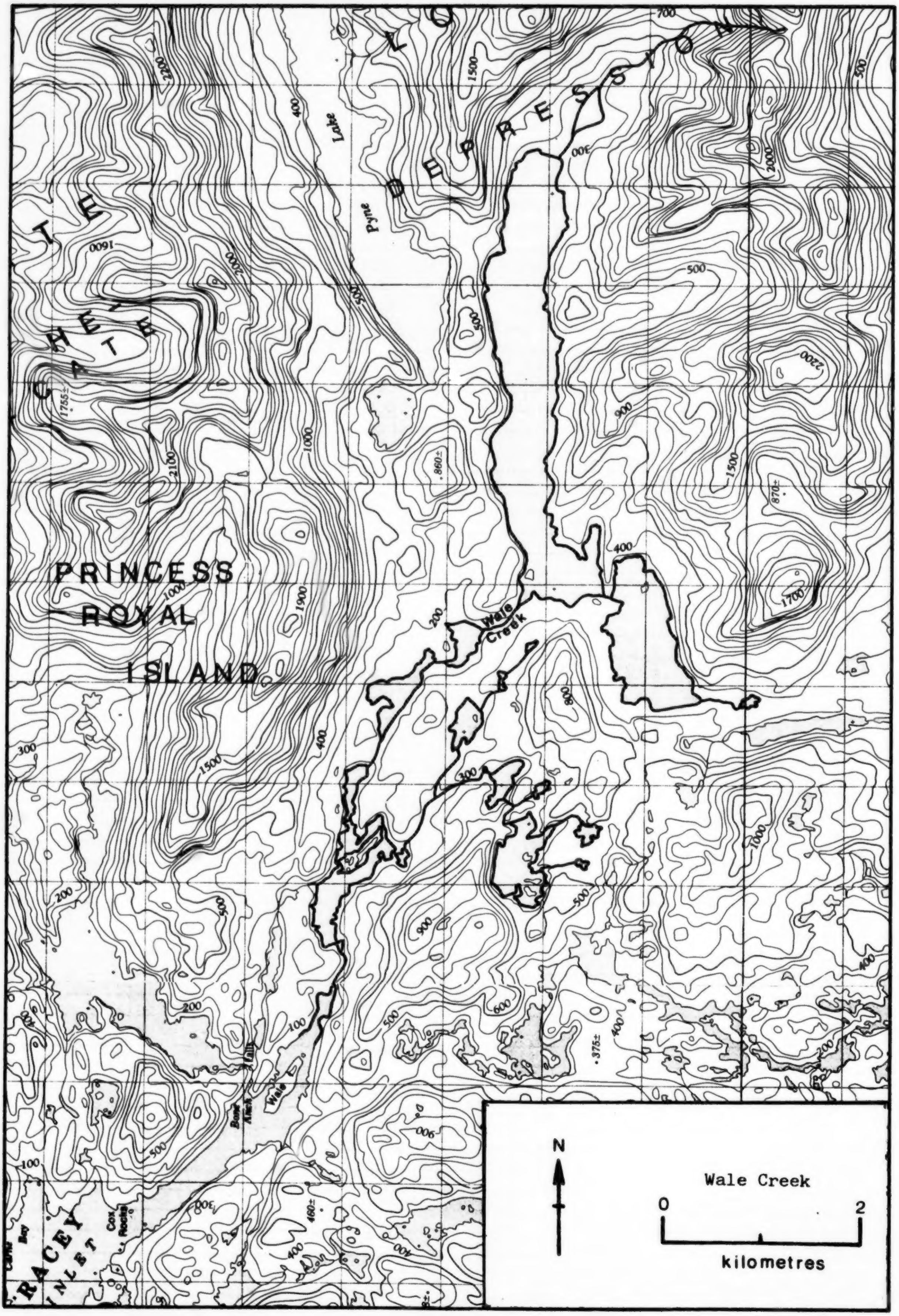
-1957. Best showing of chums since 1950 and best in Laredo Inlet
-1961-1963, 1966. Scattered windfall debris, but not obstructing fish passage
-1964. Pinks heavily fished in Laredo Inlet
-1965. Low water delayed upstream migration until late September
-1966. High water during surveys hampered enumeration
-1967. High flows washed out log debris
-1978, 1980. Winter flooding observed
- Good spawning grounds in lower reaches
- Swift creek with rocky creek bed
- Subject to seasonal fluctuaions in water levels
- Predation by bears, wolves, and birds


N
Tyler Creek
0
1.28
kilometres
Lake
PRINCESS ROYAL ISLAND
X - Passable Log Jam
1 - Good Gravel
2 - Fair Gravel
3 - Poor Gravel
- Tidal Water
Game Trail
Coho
Chums
Pinks
Wide Stream, Slow Current, 75% of Gravel Silted
Pyne Creek
Bay of Plenty
1
2
3

ESCAPEMENT RECORD FOR TYLER CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			1500	750	400	
48			750		3500	
49			750	1500	400	
50			750	3500	1500	
51			800	400	100	
52					750	
53			750	400	75	
54			750	1500	750	
55			25	25	25	
56			200	400	75	
57			400	7500	750	
58			200	7500	3500	
59			400	200	3500	
60			400	3500	15000	
61			1500	3500	7500	
62			3500	15000	35000	
63			3500	400	7500	
64			1500	15000	15000	
65			1500	3500	3500	
66			UNK	UNK	UNK	
67			N/O	N/O	N/O	
68			1500	N/O	N/O	
69			100	1400	250	
70			200	3500	7500	
71			750	4000	4000	
72			400	7500	3500	
73			300	15000	500	
74			50	3000	200	
75			200	7000	1500	
76			100	1500	250	
77			N/O	1800	750	
78			50	200	500	
79			200	2500	150	
80			50	4000	15000	
81						
82						
83						
84						
85						
TIMING						
ARRIVE			SEPT	E. SEPT	E. SEPT	
START			SEPT	E. SEPT	E. SEPT	
PEAK			OCT	M. SEPT	M. SEPT	
END			OCT	OCT	L. SEPT	

REMARKS


THE GATE
LOCK DEPRESSION
Pyne Lake
PRINCESS ROYAL ISLAND
Wale Creek
Wale L.
Falls
Bond Rock
Cox Rocks
TRACEY INLET
N
Wale Creek
0
2
kilometres

NAME OF STREAM (Wale Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows W. into Racey Inlet, Rge. 4, Coast Dist.

POSITION 52° 129° NE

LENGTH 1.6 km WIDTH m DRAINAGE km^2

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m^2 SPAWNING AREA m^2

DISCHARGE (m^3/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Falls at 1.0 km passable to sockeye and coho only

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- above falls
CHINOOK	
COHO	- above falls
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1947-1956. Suggest removal of 4.5 m rock falls located 0.4 km from the mouth, to open the upper watershed to coho spawners

-1957. Low water necessitated work on outlet cascades to decrease coho mortality resulting from attempted ascent of falls. Recommended installation of a fishway

-1958-1964. Fishway considered due to marked declines in coho stocks

-1965-1966. Suggest further investigation of need for fishway

-1968-1969. Lack of definitive reports from surveys of the falls lead to cancellation of proposed work

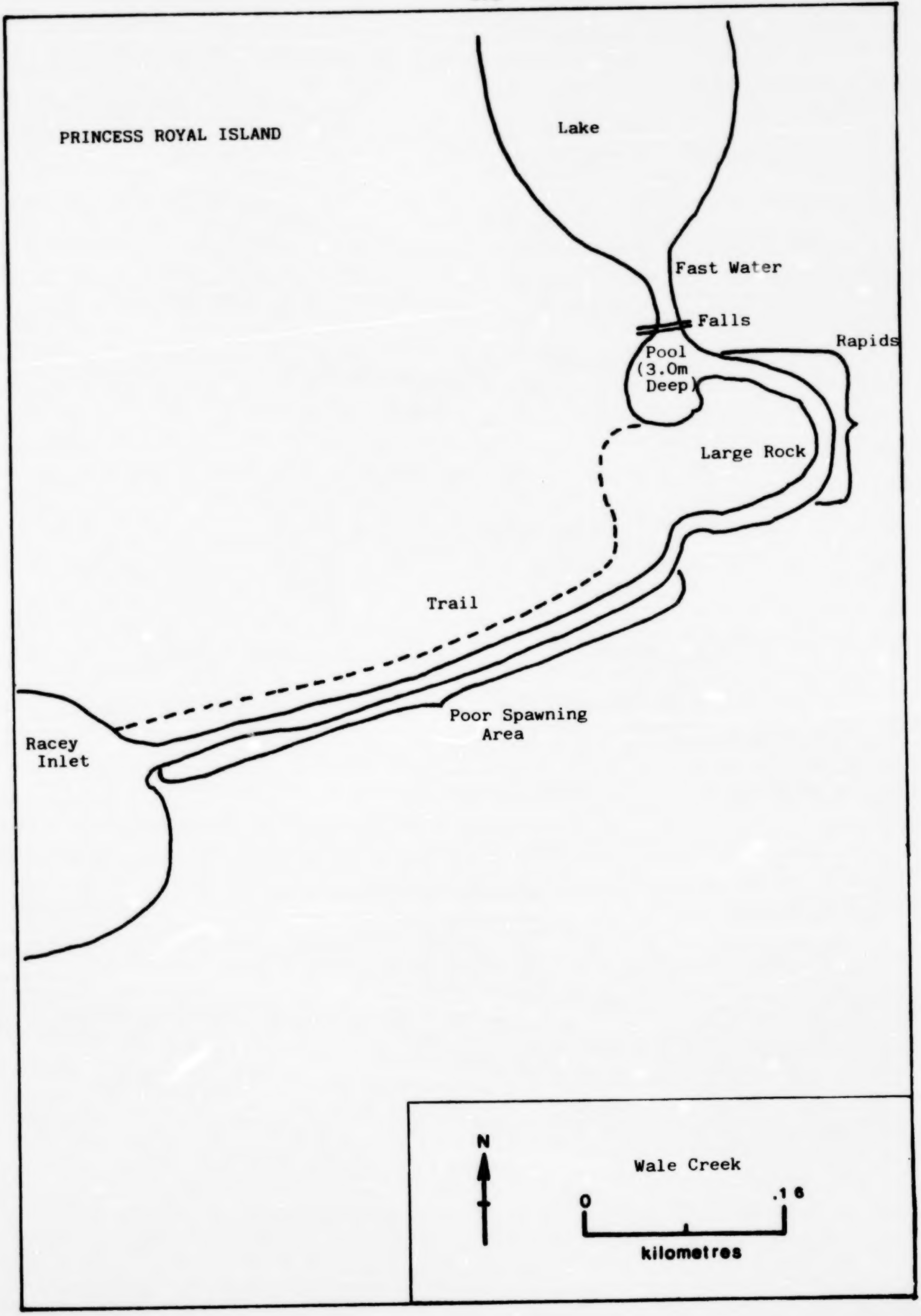
-1970. Low water forced coho to spawn below falls

-1978, 1980. Winter flooding

-1980. Dark coloured water made assessment difficult

GENERAL REMARKS (cont'd) Wale Creek

- Subject to seasonal fluctuations in water levels
- Predation by bears, wolves, eagles, and otters

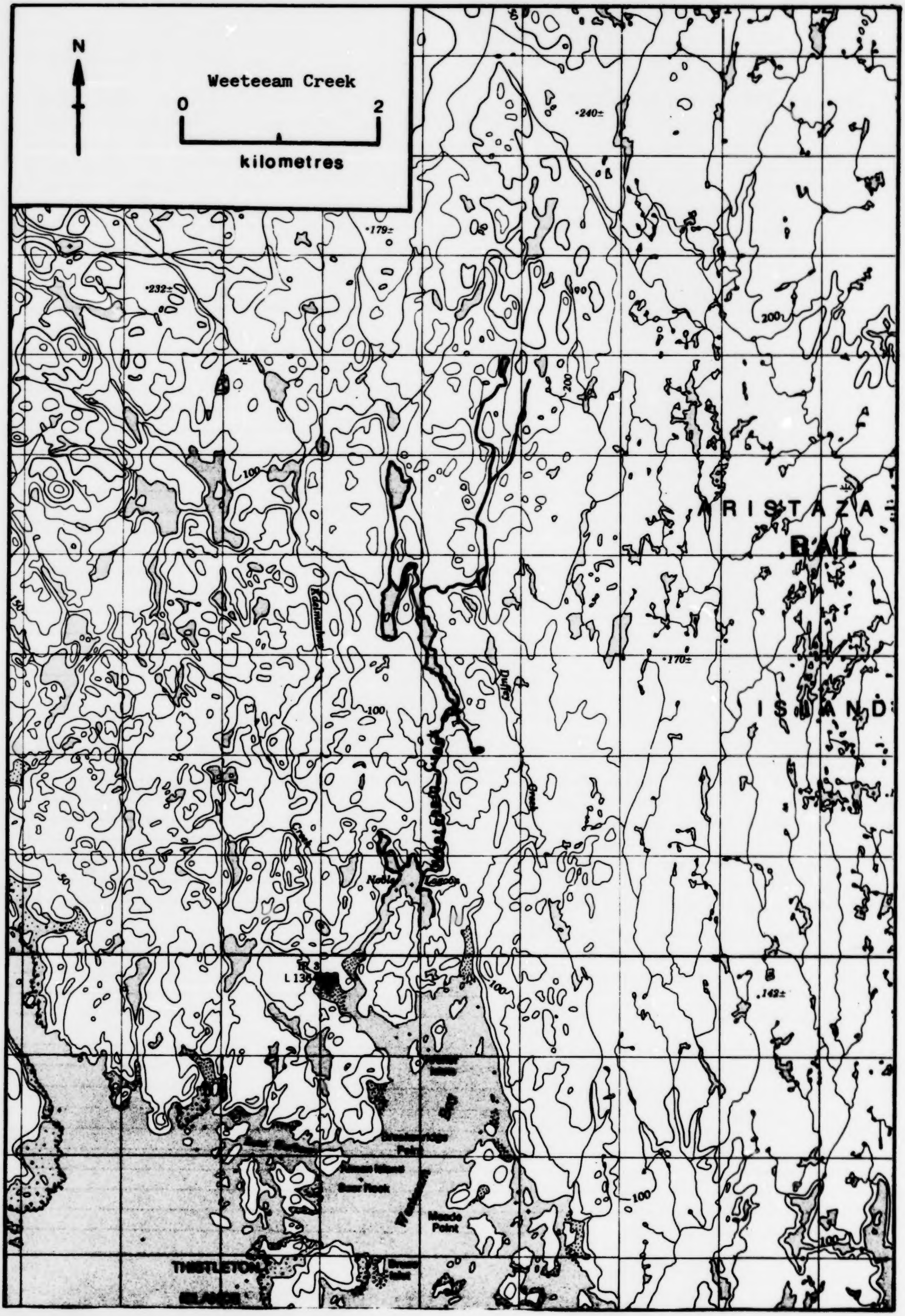

PRINCESS ROYAL ISLAND
Lake
Fast Water
Falls
Rapids
Pool (3.0m Deep)
Large Rock
Trail
Poor Spawning Area
Racey Inlet
N
Wale Creek
0
.16
kilometres

ESCAPEMENT RECORD FOR (Wale Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			7500	750	75	
48			7500		1500	
49	400		3500	200	400	
50	75		1500	400	400	
51	N/O		7000	500	1200	
52					3500	
53	400		3500	3500	400	
54	200		3500	3500	1500	
55	200		3500	1500	1500	
56	N/O		3500	750	1500	
57	200		15000	75	400	
58			200			
59	25		400	25	25	
60			25	75		
61			400	N/O		
62			200	N/O		
63	25		25	N/O		
64	75		400	N/O	N/O	
65			NOT	INSPECTED		
66	N/O		N/O	N/O	N/O	
67	N/O		N/O	75	25	
68	25		25	N/O	400	
69	75		25	N/O	N/O	
70	N/O		3500	75	1500	
71	N/O		75	25	400	
72	N/O		750	N/O	N/O	
73	1000		100	30	3000	
74	200		800	20	N/O	
75	N/O		1000	N/O	500	
76	200		400	N/O	5000	
77	UNK		450	20	750	
78	500		200	25	4000	
79	200		400	10	1800	
80	200		400	25	4000	
81						
82						
83						
84						
85						

TIMING						
ARRIVE	L. JULY		L. AUG	E. SEPT	L. AUG	
START	M. SEPT		SEPT	E. SEPT	E. SEPT	
PEAK	OCT		OCT	M. SEPT	M. SEPT	
END	L. OCT		NOV	E. OCT	L. SEPT	

REMARKS


N
Weeteeam Creek
0
2
kilometres
240±
179±
232±
200
200
100
100
170±
142±
ARISTAZABAL
ISLAND
Noble
Lagoon
Creek
Creek
Duffey
100
L 136
50
Breckenridge Point
Meade Point
THISTLETON
ISLANDS
100
100

NAME OF STREAM (Weeteeam Creek or Noble Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Weeteeam Bay, Rge. 3, Coast Dist.

POSITION 52°N 128°W

LENGTH 1.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1.0 km

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- to falls and above
CHUM	- to falls
PINK (ODD YEAR)	- to falls
PINK (EVEN YEAR)	- to falls
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1951. Summer drought hampered upstream migration

-1957. Tidal spawning because water level too low for upstream migration

-1958. Cleared windfall debris identified in 1957 report

-1960. Passable log jams developed 0.8 km upstream

-1964. Weeteeam Bay is heavily fished for local stocks, although other stocks are taken too

-1967. Log jams present since 1960 removed by winter flows. Indian food fishery operated in the bay

-1969. Late spawning of chums noted

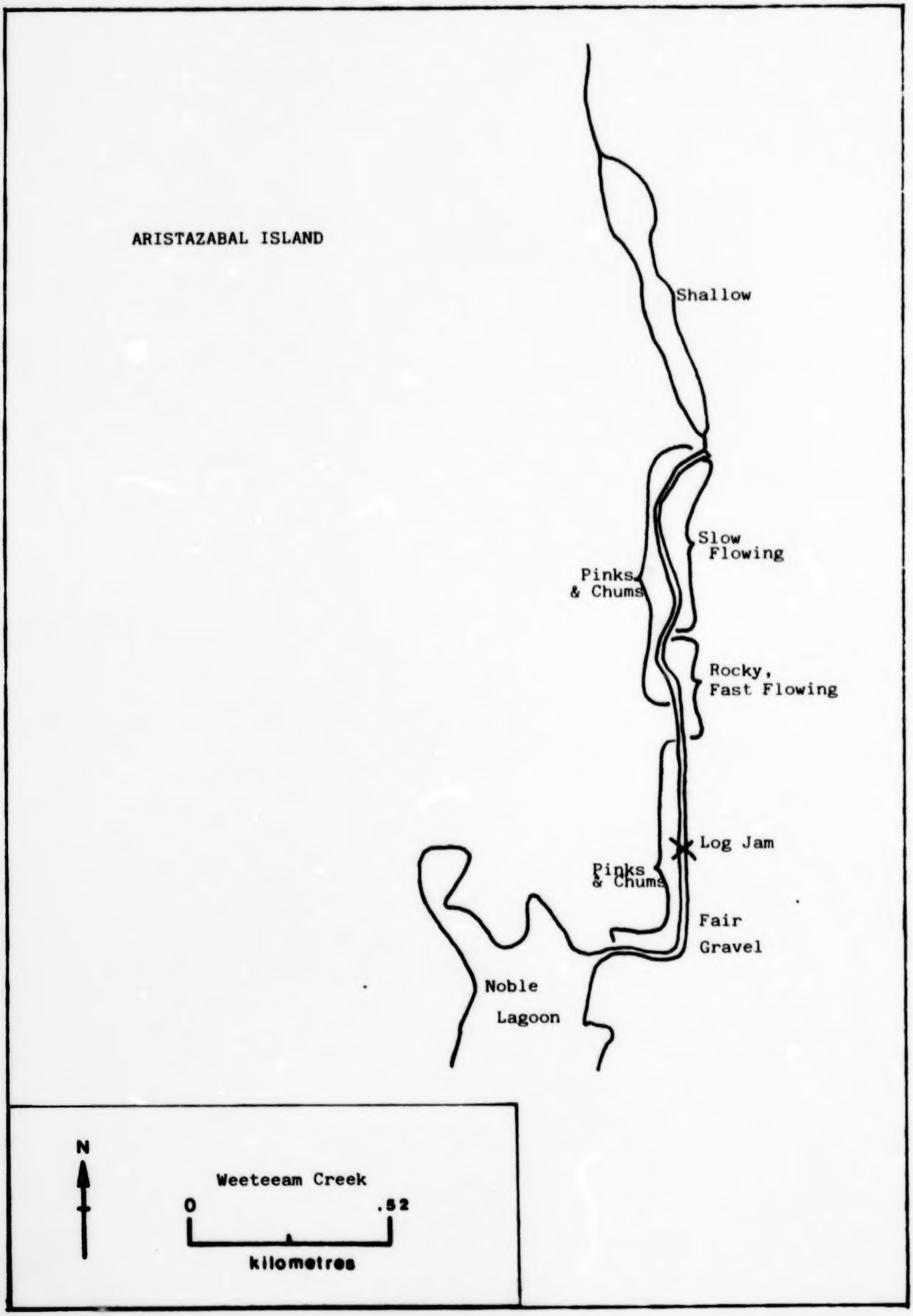
-1971. Dry weather resulted in low summer flows

-1974, 1978, 1980. Some scouring and erosion could have resulted from winter floods

- Historical good spawning substrate

GENERAL REMARKS (cont'd) Weeteeam Creek or Noble Creek)

- Subject to seasonal fluctuations in water levels
- Predation by wolves, birds, and otters


ARISTAZABAL ISLAND
Shallow
Slow Flowing
Pinks & Chums
Rocky, Fast Flowing
Log Jam
Pinks & Chums
Fair Gravel
Noble Lagoon
N
Weeteeam Creek
0
.52
kilometres

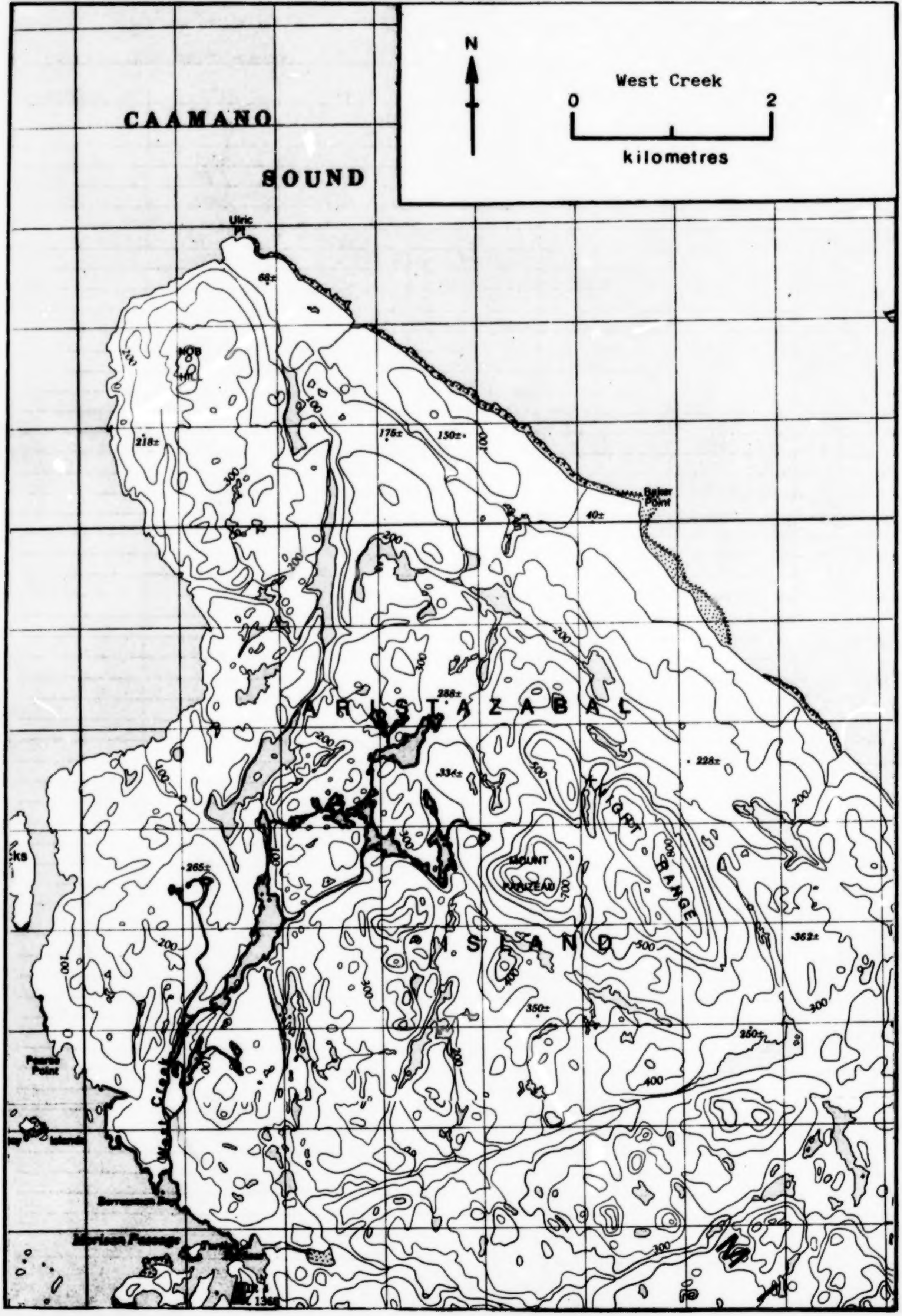
ESCAPEMENT RECORD FOR (Weeteeam or Noble Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			NO RECORD PRIOR TO 1949			
48						
49			750	15000	400	
50			750	3500	25	
51			1500	4000	400	
52					200	
53			750	3500	25	
54			3500	3500	1500	
55			1500	1500	25	
56			3500	1500	3500	
57	1500		1500	3500	25	
58	750		1500	1500	3500	
59	400		400	200	75	
60	75		400	3500	25	
61	N/O		750	400	75	
62	750		750	1500	750	
63	75		200	200	75	
64	75		750	3500	400	
65	400		1500	1500	400	
66	N/O		20	500	150	
67	25		25	200	N/O	
68	N/O		N/O	750	200	
69	N/O		N/O	650	N/O	
70			N/O	750	200	
71			75	25	25	
72			400	25	25	
73			N/O	200	N/O	
74			N/O	25	120	
75			250	700		
76			50	1500	900	
77			50	400	N/O	
78				200	75	
79			75	1500		
80			NOT	INSPECTED		
81						
82						
83						
84						
85						

TIMING

ARRIVE			L. SEPT	E. SEPT	E. SEPT	
START			L. SEPT	M. SEPT	M. SEPT	
PEAK			OCT	L. SEPT	L. SEPT	
END			NOV	M. OCT	OCT	

REMARKS


N
West Creek
0
2
kilometres
CAAMANO
SOUND
Ulric Pt
68±
NOB HILL
218±
175±
150±
Bajer Point
40±
ARISTAZABAL
288±
334±
228±
KNIGHT RANGE
MOUNT PARIZEAU
265±
ISLAND
362±
350±
350±
400
300
200
100
500
700
800
Pearse Point
West Creek
Morison Passage

NAME OF STREAM (West Creek or Fish Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows S. into Borrowman Bay, Rge. 3, Coast Dist.

POSITION 52°47' 129°15' NW

LENGTH 8.0 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	- to lake and above
CHINOOK	
COHO	- to lake and above
CHUM	- lower reaches
PINK (ODD YEAR)	- lower reaches
PINK (EVEN YEAR)	- lower reaches
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Saltwater spawning observed on account of low water levels throughout migration period

-1965. Very low flows July - late September

-1978, 1980. Winter flooding

- Limited spawning capacity in creek
- Seriously affected by drought conditions
- Rocky creek with fast flow
- Subject to seasonal fluctuations in water levels
- Some predation by birds and wolves

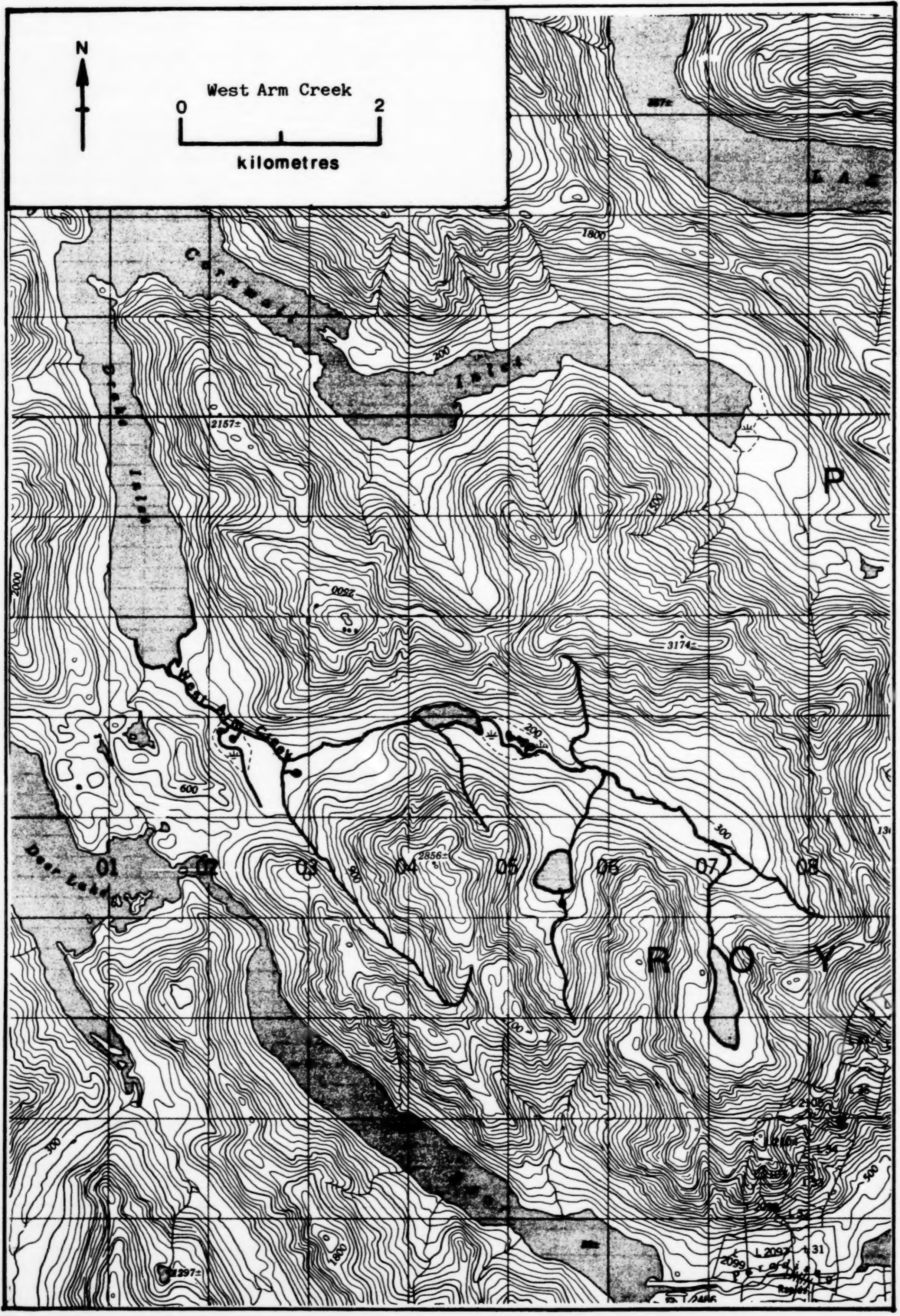
ESCAPEMENT RECORD FOR (West or Fish Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	1500		3500	75	75	
48			7500		25	
49	400		750	200	200	
50	75		750	750	1500	
51	50		500	200	100	
52					1500	
53	1500		3500	750	750	
54	200		200	200	400	
55	200		200	200	400	
56	1500		3500	1500	7500	
57	1500		3500	3500	1500	
58	750		1500	3500	1500	
59	200		750	200	1500	
60	200		400	1500	750	
61	200		400	N/O	400	
62	200		750	N/O	1500	
63	75		750	200	400	
64	200		400	1500	750	
65			NOT	INSPECTED		
66	UNK		UNK	UNK	UNK	
67	N/O		25	N/O	N/O	
68						
69						
70						
71		NO RECORD BETWEEN 1968-1975				
72						
73						
74						
75						
76	200				7800	
77						
78				200	2500	
79				N/O	50	
80				350	2000	
81						
82						
83						
84						
85						

TIMING

ARRIVE					L. AUG	
START					E. SEPT	
PEAK					L. SEPT	
END					M. OCT	

REMARKS


N
West Arm Creek
0
2
kilometres
Inlet
Drake Inlet
West Arm Creek
Deer Lake
2157±
2500
3174±
2856±
1800
200
1500
2000
600
300
01
02
03
04
05
06
07
08
P
R
O
Y
2397±
2099
2097

NAME OF STREAM (West Arm Creek)

CONSERVATION DISTRICT 7 STATISTICAL AREA 6

LOCATION OF MOUTH Flows NW. into Drake Inlet, Rge. 4, Coast Dist.

POSITION 53° 128° SW

LENGTH 4.8 km WIDTH m DRAINAGE km²

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

PERCENT GRADIENT

0.00 - 0.25	
0.25 - 0.50	
0.50 - 0.75	
0.75 - 1.00	
>1.00	

WETTED AREA m² SPAWNING AREA m²

DISCHARGE (m³/s)

TEMPERATURE (°C)

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	- scattered over available spawning areas in the lower 2.4 km
CHUM	- scattered over available spawning areas in the lower 2.4 km
PINK (ODD YEAR)	- scattered over available spawning areas in the lower 2.4 km
PINK (EVEN YEAR)	- scattered over available spawning areas in the lower 2.4 km
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS

-1957. Protection of Skookumchuck Lagoon at entrance to Whale Channel credited with improved spawning escapements

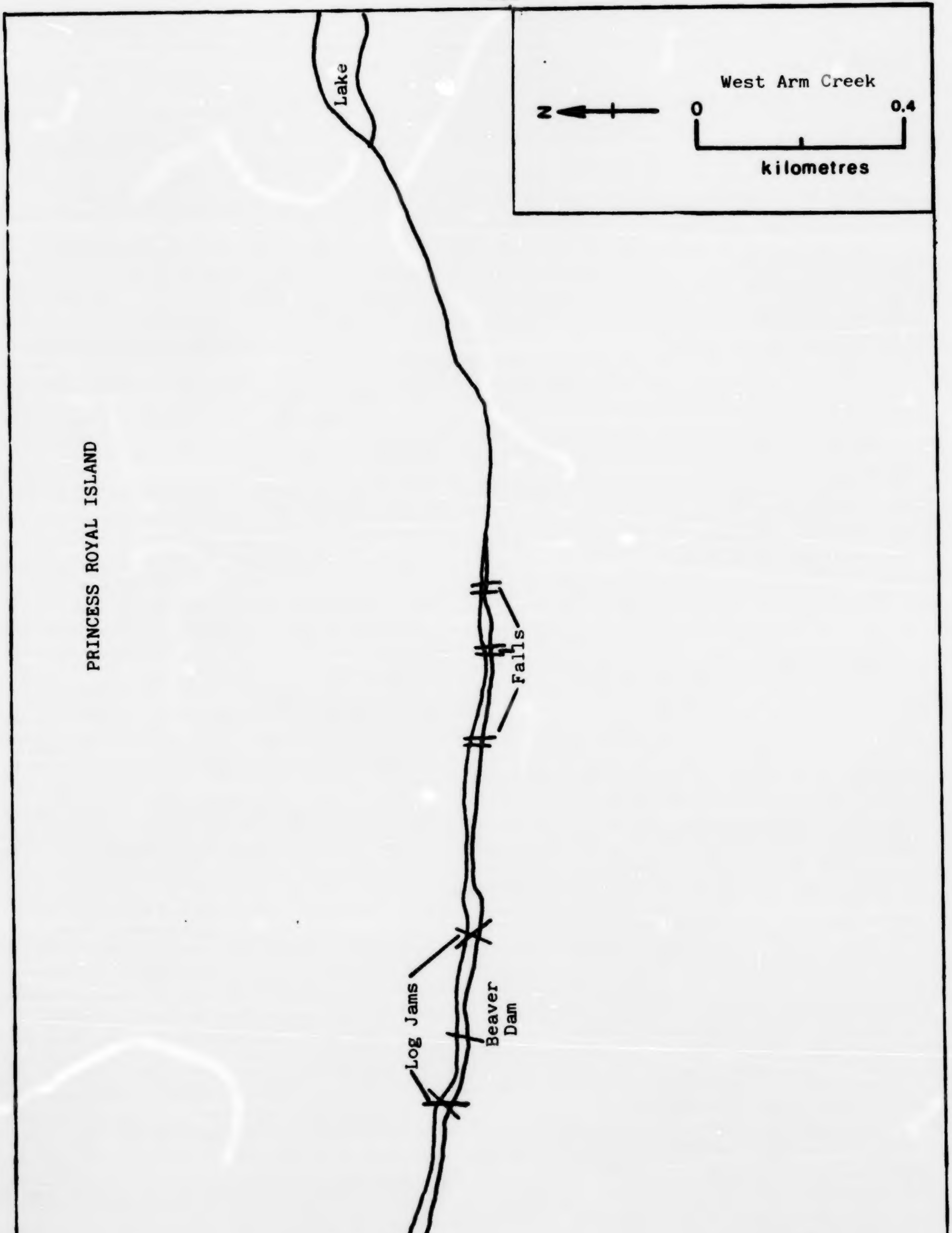
-1968. Since no returns reported for last 7 years inspectors recommended that this stream be removed from active files

-1973. Poor observation conditions

-1976, 1977. Presently a minor producer, though inspection shows that stream has good potential

-1978. Flooding in November

- Limited spawning area, many small rapids
- Subject to seasonal fluctuations in water levels
- Light predation by bears and birds


West Arm Creek
N
0
0.4
kilometres
Lake
PRINCESS ROYAL ISLAND
Falls
Log Jams
Beaver Dam
Drake Inlet

ESCAPEMENT RECORD FOR (West Arm Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49			NO RECORD PRIOR TO 1951			
50						
51	50		500	350	50	
52					75	
53			750	750	400	
54			25	75	75	
55			75	25	75	
56			750	400	750	
57			400	750	200	
58			NOT	INSPECTED		
59	N/0		400	75	200	
60	200		400	N/0	750	
61	N/0		75	25	200	
62	N/0		400	N/0	750	
63	N/0		N/0	N/0	200	
64	N/0		N/0	N/0	1500	
65			NOT	INSPECTED		
66	UNK		UNK	UNK	UNK	
67	N/0		N/0	N/0	N/0	
68			N/0	N/0	N/0	
69			N/0	25	25	
70			N/0	750	1500	
71			N/0	400	1000	
72			N/0	75	1500	
73				150	500	
74			N/0	N/0	25	
75			N/0	N/0	N/0	
76			NOT	INSPECTED		
77			200	70	100	
78			100		3500	
79			N/0	N/0	1000	
80						
81						
82						
83						
84						
85						

TIMING						
ARRIVE				SEPT	L. AUG	
START				SEPT	E. SEPT	
PEAK				SEPT	M. SEPT	
END				OCT	OCT	

REMARKS

METRIC EQUIVALENTS

Length

centimeter (cm) = 0.394 in
meter (m) = 3.280 ft
meter (m) = 1.094 yd
kilometer (km) = 0.621 mi

inch (in) = 2.540 cm
foot (ft) = 0.305 m
yard (yd) = 0.914 m
mile (mi) = 1.609 km

Area

square centimeter (in^2) = 0.155 in^2
square meter (m^2) = 10.760 ft^2
square meter (m^2) = 1.196 yd^2
square kilometer (km^2) = 0.386 mi^2
hectare (ha) = 2.470 a

square inch (in^2) = 6.451 cm^2
square foot (ft^2) = 0.093 m^2
square yard (yd^2) = 0.836 m^2
square mile (mi^2) = 2.590 km^2
acre (a) = 0.405 ha

Volume

cubic centimeter (cm^3) = 0.061 in^3
liter (L) = 61.023 in^3
liter (L) = 0.035 ft^3
liter (L) = 0.264 U.S. gal
= 0.220 Imp. gal
cubic meter (m^3) = 35.315 ft^3
cubic meter (m^3) = 1.308 yd^3

cubic inch (in^3) = 16.387 cm^3
cubic inch (in^3) = 0.016 L
cubic foot (ft^3) = 0.028 m^3
cubic foot (ft^3) = 28.320 L
cubic yard (yd^3) = 0.765 m^3
U.S. gallon (gal) = 3.785 L
Imp. gallon (gal) = 4.546 L

Weight

gram (gm) = 0.035 oz
kilogram (kg) = 2.205 lb
kilogram (kg) = 0.001 ton (short)
tonne (t) = 1.103 ton (short)

ounce (oz) = 31.103 gm
pound (lb) = 0.373 kg
ton (short) = 907.180 kg
ton (short) = 0.907 t

Velocity

meter per second (m/s) = 3.280 ft/s
feet per second (ft/s) = 0.305 m/s

Discharge

cubic meter per second (m^3/s) = 35.315 ft^3/s
cubic foot per second (ft^3/s) = 0.028 m^3/s
cubic meter per second (m^3/s) = 15350.879 U.S. gal/min
= 13198.628 Imp. gal/min

Temperature

Degrees Centigrade (°C) = 5/9 (Degrees Fahrenheit - 32)
Degrees Fahrenheit (°F) = 9/5 (Degrees Centigrade) + 32